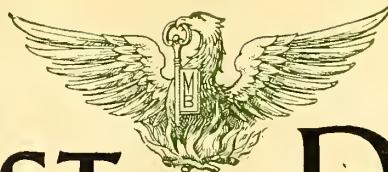




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*The*

CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2.

Registered as a Newspaper

No. 2738
VOL. CXVII.

JULY 30, 1932

Annual Subscription (with
Diary) 20/- Single Copies 9d.

OPOIDINE REGD

The British Preparation of the Alkaloids
of Opium . . . Opium made Soluble
Injectable and Dependable. One dose
is identical with every other dose in
every respect.



Offered at lower prices
than similar preparations
of Continental origin.

Opoidine in the form of powder, tablets (oral & hypodermic) and solution (in Ampoules)

Opoidine with Scopolamine or with Scopolamine & Atropine in solution (in Ampoules)

J.F. MACFARLAN & CO

109 ABBEYHILL, EDINBURGH—32 BETHNAL GREEN ROAD, LONDON, E.I.
WORKS—ABBEYHILL & NORTHFIELD, EDINBURGH

PRICE LIST WITH DISCOUNTS UPON APPLICATION

? HAVE YOU HAD YOUR DISPLAY OF—

Elastoplast

100 % BRITISH

Patent & Registered

MODERN FIRST AID

Elastic—antiseptic—
adhesive dressings

ELASTOPLAST Dressings combine Elastic Plaster with medicated pads ; instantly applied ; conform to all body curves without restricting movement ; unaffected by washing ; seal and heal the wound.

For knees, heels and elbows, the Elastoplast wound squares provide a firmly-anchored Dressing which cannot slip or pull.

THE Display Outer illustrated below is sent complete with dummies and showcards, and for a limited period we are including, without charge, a smart DEMONSTRATION FOLDER, RETAIL VALUE, 1/3.



Leading cinemas throughout the country will shortly tell the merits of this new elastic plaster.

ELASTOPLAST



CONTENTS OF DISPLAY OUTER

	Retail
3 ctns. (3) Boil dressings ..	6d.
6 ctns. (1) Finger ..	@ 3d.
6 envs. (3) Square ..	@ 6d.
6 ctns. (2) Strip ..	@ 3d.

Retail Value - 7/6

Trade Price - 5/-

Elastoplast and Semiplast Bandages are used in almost every Hospital for the treatment of Varicose Ulcers and Veins, &c.

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HULL - LONDON - GLASGOW - MANCHESTER

Order from your Wholesaler. Enquiries to Dept. C 42 Tavistock Square, London, W.C.I

Wimbledon Pharmacist

DOUBLES

his Bob Martin SALES

as a result of recent Window Display

"And," he says, "the enthusiasm of my customers convinces me that this increase will be maintained."

WHEN the Bob Martin Advertising Campaign was launched, every Pharmacist stocking Bob Martin preparations was advised that he could confidently prepare for doubled sales within a few weeks.

That this forecast was not one whit exaggerated is confirmed by the following letter from Mr. E. R. Jackson, M.P.S., of Wimbledon, who has doubled his Bob Martin Sales within the last two months. And, what is more, he is convinced that this increase will be maintained.

242 The Broadway, Wimbledon,
London, S.W.19

"I have recently made a full window display of Bob Martin Preparations, with results that have really surprised me. My sales during the

past two months have doubled, and the enthusiasm of my customers convinces me that this increase will be well maintained. I am sending you a photograph of the display, upon which many friends have complimented me. Personally, I am very pleased to write this letter to you, because I must admit that even two years ago I did not believe that the Dog Medicine business offered anything like the possibilities I have since proved it to have."

(Signed) E. R. JACKSON, M.P.S.

The Bob Martin advertising, appearing in every important daily newspaper and weekly newspaper, is making all dog owners eager and consistent buyers of Bob Martin's Condition Powders, and other preparations.

Nothing is more certain than that a Bob Martin display just now is a source of immediately increasing profits. You, too, can easily double your sales by following Mr. Jackson's example.

★ This is the
Window

Here is a photograph of Mr. Jackson's Window Display. No wonder it proved a winner. No other dog medicine offers such a range of attractive show material as Bob Martin preparations.



Special Bob Martin displays linking up with current advertising are always available to Pharmacists, and if you drop a postcard to Southport to-day, you will receive the newest Display Material by return. In five minutes you can make a display which is certain to double your sales of Bob Martin preparations. If you would like to receive Display Material as soon as it is issued, please ask to be put on the Bob Martin Display List.

BOB MARTIN LTD., Dog Food and Medicine Manufacturers since 1892, SOUTHPORT, ENG.

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(in rolls up to 78 inches wide)

PIECES, BOARDS & BOXES

*All corrugated productions
are manufactured from our own British made
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E.C.4.

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Telegrams : "Corrugated
Lud, London."

*British
Throughout*



Provincial :
Tovil,
Maidstone,
Kent.

Telephone : Maidstone 4168
Telegrams : "Corrugated
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SEND NOW FOR YOUR PARCEL OF THE COTY L'AIMANT SERIES

We are concentrating our Advertising on those Coty toilet essentials which bear the popular L'AIMANT PERFUME. Sales will be easy—choose your bargain parcel and send for it now—and so link up with the great L'AIMANT PERFUME CAMPAIGN.



Send for this
FREE DISPLAY CARD.
It will help you to link up
your display with the
L'AIMANT Advertising.

L'AIMANT PARCEL No. 1		
12 L'Aimant Powders, @ 1/-	£1 1 0	
4 1/2 oz. L'Aimant Perfumes, @ 3/-	15 0	
2 1/2 oz. L'Aimant Perfumes, @ 6/-	12 0	
1 Perfume in Handbag Container, @ 6/-	6 9	
3 Lipsticks Gitane, @ 2/-	6 0	
12 L'Aimant Foundation Cream, in tubes, @ 9d.	9 0	
2 Jars L'Aimant Foundation Cream, @ 2/6	5 0	
1 L'Aimant Bath Powder, @ 3/-	3 9	
1 L'Aimant Brilliantine (Solid) @ 2/-	2 6	
	4 1 0	
Less 35 %	1 8 4	
	£2 12 8	

50/-
NETT

Any of the above lines may, of course, be ordered separately.

L'AIMANT PARCEL No. 2		
2 1 oz. Perfumes, Series 254, @ 10/-	£1 0 0	
4 1/2 oz. Perfumes, Series 255, @ 6/-	£1 4 0	
6 1/2 oz. Perfumes, Series 299, @ 3/-	£1 2 6	
1 box of Soap (3 tablets), @ 3/-	3 9	
1 bottle Bath Salts, @ 6/-	6 0	
6 Tubes L'Aimant Cream, @ 1/3	7 6	
3 Jars L'Aimant Cream, @ 2/6	7 6	
1 L'Aimant Bath Powder, @ 3/-	3 9	
1 L'Aimant Bath Powder, @ 4/-	4 9	
2 L'Aimant Brilliantine (Liquid), @ 3/-	6 0	
2 L'Aimant Brilliantine (Solid), @ 2/6	5 0	
new Counter Stand, consisting of:- Double Compacts, Round Platinum Tone Compacts, Lipstick Gitane, Perfume in Handbag Container ..	17 6	
	16 8 3	
Less 35 %	2 4 11	
	£4 3 4	

79 1/2
NETT

Coty (England) Limited, Coty House, 3, Stratford Place, London, W.1.
Telephone: Mayfair 7244-49.

Telegrams: Paricoty, Phone, London.

C.F.H. 246

BIG SUMMER ADVERTISING PUSH FOR 'ASPRO' OVER 300 NEWSPAPERS ENGAGED

ASPRO



A TYPICAL 'ASPRO' WINDOW DISPLAY

Now is the time to put in your 'ASPRO' window displays. Our big summer advertising push for 'ASPRO' is on and over 300 newspapers are being used to broadcast 'ASPRO' healing message for sunburnt headaches—hot weather sleeplessness—irritability—summer chills and ills and numerous other complaints for which 'ASPRO' has proved so valuable. Chemists at seaside resorts can obtain maximum sales of 'ASPRO' by showing 'ASPRO' window material continuously through the summer to connect up with the campaign.

THESE ARE OUR CHEMISTS' ADVERTISING BAGS AND ENVELOPES



Greaseproof
2 oz. Bags.

HAVE YOU OBTAINED A SUPPLY ?

Kristal
Envelopes.

We have improved on our Kristal envelopes and greaseproof 2 oz. bags. Have you purchased your stocks yet? Specimens of the latest designs are enclosed in 'ASPRO' show boxes from time to time. We will send you specimens on request. You will be delighted. They save you money on your bags and at the same time create a demand for 'ASPRO'. Prices are

Kristal Envelopes - - - 2/6 per thousand

Greaseproof 2 oz. Bags - - 1/- per thousand

AN ADDITIONAL CHARGE OF 2/6 PER THOUSAND IS MADE FOR KRISTAL ENVELOPES BEARING YOUR OWN NAME AND ADDRESS.

Do not forget too, to buy 'ASPRO' on bonus terms so that you will make the maximum profit.

'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents : GOLLIN & CO. PTY. LTD. ('Aspro' Dept.), SLOUGH, BUCKS.
Telephone : SLOUGH 608

No proprietary right is claimed in the method of manufacture or the formula.

ASPRO
REG. TRADE MARK

Made by ASPRO LTD.,
SLOUGH, ENGLAND.

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Bottles with Bakelite Caps get Front Line Display



Why not investigate the possibilities of Bakelite Mouldings?
Write for particulars and literature R.R.4

The lustrous appearance of Bakelite Moulded Bottle Caps is a strong sales aid, and the adaptability of Bakelite Mouldings to caps of every size, shape and colour is attractive to the manufacturer anxious to improve the appearance of his products and to reduce his packaging costs.

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Registered  Trade Marks
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Telephone : Victoria 5411 (4 lines)

Works : Birmingham (Est. 1910)

BISMUTH. CARB.
Evans'

A WHITE FLUFFY CARBONATE
which diffuses immediately
and completely on shaking
the bottle

made at their
FINE CHEMICAL WORKS

SONS by

EVANS LESCHER & WEBB LTD.

POTASS. IODID.
Evans'

A RE-CRYSTALLISED SALT
presented in two forms—granular
for dispensing and in crystals.

made at their
FINE CHEMICAL WORKS

by

EVANS SONS LESCHER & WEBB LTD.

Announcing — **ORALITE** DENTURE SOAP

A NEW ORAL CLEANSER

which

1. Cleanses, sterilises and sweetens all artificial dentures.
2. Whitens the natural teeth, removing all film and tartar.
3. Sweetens the breath and deodorises the entire oral cavity.
4. Kills all Disease Germs and sterilises the mouth.

ORALITE DENTURE SOAP was primarily introduced for cleansing and preserving the delicate tint of dentures made from

"ORALITE"

Regd.

THE WORLD'S FINEST DENTURE MATERIAL

ORALITE DENTURE SOAP is an excellent antiseptic and cleanser for natural teeth and its use has a definite tonic effect on the gums, without irritating the most delicate tissue ; by its use the oral cavity is very efficiently sterilised and all bacterial growths eradicated.

Be Prepared —

Dentists all over the world are now using, and recommending their patients to use ORALITE DENTURE SOAP. Don't fail to take advantage of our

SPECIAL INTRODUCTORY OFFER

For 6/- cash with order we will send

8 tablets Oralite Denture Soap to retail at 10½d. each.
4 tablets in containers to sell at - - - 1/3 each
and display matter.

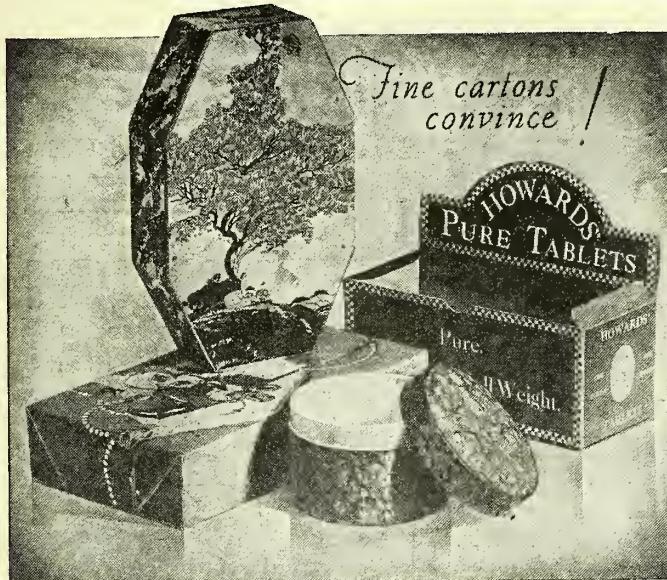
These sell for 12/-, and cost 8/-, less bonus of 2/- for display, thus

YIELDING A CLEAR PROFIT OF 50%

This offer is only open for a short period.

**THE ORALITE CO., LTD.
THORNTON, BLACKPOOL, ENG.**

Telephone : Cleveleys 280.



CARTONS
FANCY BOXES
SHOWCASES
FOLDING BOXES, WIRE-
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 The public is asking for **ZEAL CLINICAL THERMOMETERS** because they are:-

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This is the best and neatest sprayer made, for spraying disinfectants, deodorants, insecticides and similar liquids and is suitable for use in the home, in the office and in the greenhouse.

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Retail price 4/- each.

Nickel plated and beautifully made.

BRITISH THROUGHOUT. Sell also "Nesthill" British made bottle sprayers. Send for prices and details.

ERNEST H. HILL LTD.
 Spraygun Works, SHEFFIELD

EUCRYL DENTIFRICES

Established 1900

**BRITISH
OWNED**



EUCRYL TOOTH POWDER
EUCRYL TOOTH PASTE
EUCRYL DENTURE POWDER

**BRITISH
MADE**



Bought on Display Terms Yield:

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PROFIT ON BUYING PRICE 75%

Nationally Advertised. Ask us for Showcards.

EUCRYL LIMITED
MANUFACTURING CHEMISTS
SOUTHAMPTON

A. S. LLOYD'S EUX-E-SIS.

**For Shaving
without
Soap, Water,
or Brush.**

CAUTION.

The Labels on GENUINE EUXESIS bear
two signatures—A. S. Lloyd, in black
ink, and that of his Widow, Aimée
Lloyd, in RED. Refuse any other.

Tubes 1/6 & 3/- ~ 33 $\frac{1}{3}$ % Profit

Sole Manufacturers
and Proprietors :

AIMÉE LLOYD & Co., Ltd.

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N.B.—When ordering from Wholesale Houses write LLOYD'S EUXESIS (WIDOW'S).

TANGEE

BRITISH MADE

TANGEE LIPSTICKS, ROUGES AND OTHER TANGEE BEAUTY PREPARATIONS ARE NOW MADE IN ENGLAND BY LUFT-TANGEE LTD. WORKS : PIMLICO, LONDON.

NEW, LOWER PRICES

TO THE TRADE

MORE PROFITS FOR YOU

This important announcement means no change of price to the consumer but every sale of Tangee will bring bigger profits to you.

The new prices are as follows :

	Retail	Wholesale
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TANGEE COMPACT ROUGE ...	3/6	28/-
TANGEE CREME ROUGE ...	4/6	36/-
TANGEE FACE POWDER ...	4/6	36/-
TANGEE NIGHT CREAM ...	4/6	36/-
TANGEE DAY CREAM ...	4/6	36/-
TANGEE MIDGET LIPSTICK ...	6d.	48/- gross ..
TANGEE PURSE-SIZE POWDER ...	6d.	48/-
MONS DORIOT LEMON CLEANS- ING CREAM (Made by Tangee)	3/6	28/- doz. nett

Tangee is now advertised in these leading magazines : "Tatler," "Sketch," "Woman's Journal," "Good Housekeeping," "Modern Woman," "Woman and Home," "Woman and Beauty," "Nash's Magazine," "Britannia and Eve," "Miss Modern," "True Story Magazine."

All communications and enquiries must be addressed to the Sole Distributors :

CALMON & NEATE Ltd.
8 GERRARD STREET, LONDON, W.I

tie up

**to increased profits
with the NEW Brylcreem
WINDOW DISPLAY COMPETITION**

Seaside—Town—or Country; Brylcreem **EXTRA SUMMER SALES** are soaring. A 'Brylcreem display makes the passer buy.' Keep a good Brylcreem Window and sales go mounting up and up. Brylcreem well displayed is foresight well repaid. Do it now and take the profits.

Increased Press Advertising all over the British Isles.



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**HOLIDAYS
ARE
BRYLCREEM
DAYS**

BRYLCREEM
The Perfect Hair Dressing

THE COUNTY PERFUMERY CO.

BRADFORD STREET, BIRMINGHAM

IMPORTANT

On August 1st

Pomeroy Skin Food will be issued in cartons of a new design.

Supplies of the new cartons for repacking stocks sent on request.



MRS. POMEROY LTD.
LONDON, S.W.6

G. B. KENT & SONS, LTD.

Are known the World over as the Largest Manufacturers of

**BEST
BRITISH
RUSHES**

*Please write for full Particulars to :
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THE CHEMIST & DRUGGIST SUPPLEMENT

is an infallible help when you want to buy or sell a business, secure an agency, an assistant or a situation, or **SELL SURPLUS STOCKS.**

The TARIFF is printed on the front cover of the COLOURED SUPPLEMENT.
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28 ESSEX STREET, LONDON, W.C.2.

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WIRE or
PHONE
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THE SUPPLY OF EVERYTHING THE CHEMIST
NEEDS. LOWEST PRICES. SPEEDIEST
DELIVERIES.

THAT SPECIAL LINE SUPPLIED FROM STOCK.

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Telegraphic Address :
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A A *

COLOUR

as an aid to
Advertising



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Ideas worked up and suggestions submitted without cost. Drawings Free, Blocks at cost only.

THE CHEMIST & DRUGGIST

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May we help you to obtain the best results?



POTTER'S CATARRH PASTILLES



P. A. T. A. 1s. 3d.

PER DOZ. 11s. 0d.

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4761
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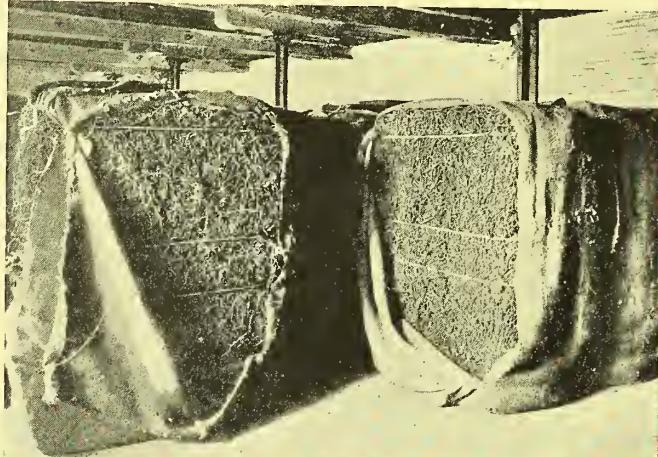
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of outstanding efficacy and merit.
They have captured the approval
of the Public. There is good
business in this line for you

POTTER & CLARKE Ltd.
60-64 ARTILLERY LANE, LONDON, E.I

Manchester: 24 Luna St., Great Ancoats

The Romance of Empire Drugs (27)



Bales of Sarsaparilla in a Cutler Street Warehouse

SARSAPARILLA is obtained from a group of plants of the genus *Smilax*. The drug was introduced to Europe from the West Indies about the year 1530 with a reputation of being valuable in *Lues Venerea* and was soon being prescribed in most parts of the Continent and in England.

The name originates from the Spanish *Zarzaparilla* (*Zarza*=bramble and *parilla*=a vine) signifying a thorny vine. The plant is indigenous to Central and northern South America. There are numerous varieties, all woody climbers, which often ascend to considerable heights on lofty trees. The botany of Sarsaparilla long remained somewhat indefinite—the medicinal species inhabiting disease-infected swamps and consequently being difficult to investigate. Explorers into South America in the last century described the obscure source of the plant—most of the supplies it was found emanated from the forests of the interior—being brought to the market centres by Indian natives.

SARSAPARILLA JAMAICA

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are favourably placed
to quote for Sarsaparilla
and its preparations

Est.

1833



Of the several marketed varieties of Sarsaparilla—Lima, Honduras, Vera Cruz, and Jamaica, the latter is the most important both from the medicinal and commercial standpoints. It was not formerly obtained from Jamaica, apparently obtaining its name through the island acting as a clearing house for all kinds of the drug coming into trade. Nowadays, however, the drug is grown in Jamaica and considerable quantities are imported into England every year. Commercially Jamaica Sarsaparilla is known as "Red Native." It is shipped in bales as shewn in our illustration. The medicament is used in the treatment of rheumatism, skin affections, and syphilis.

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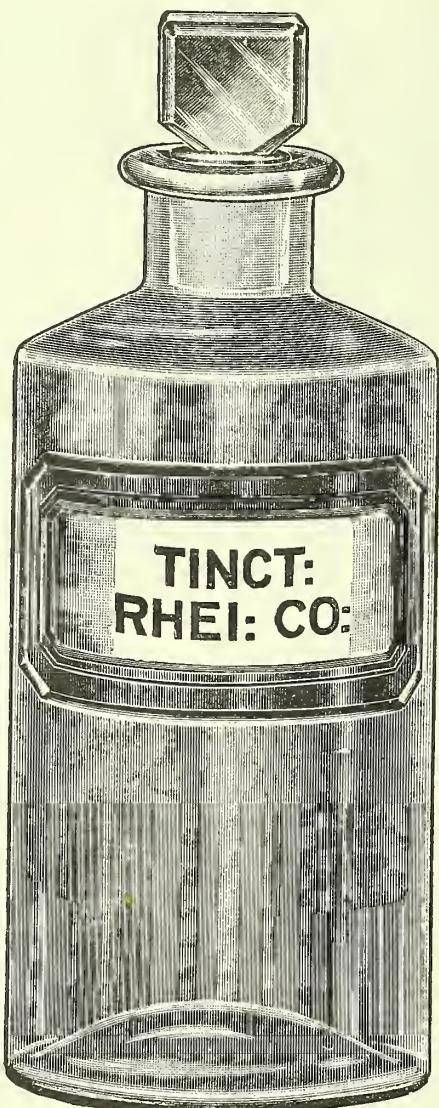
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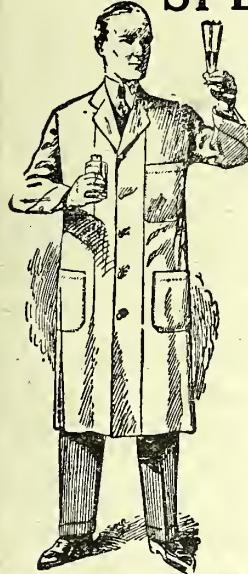
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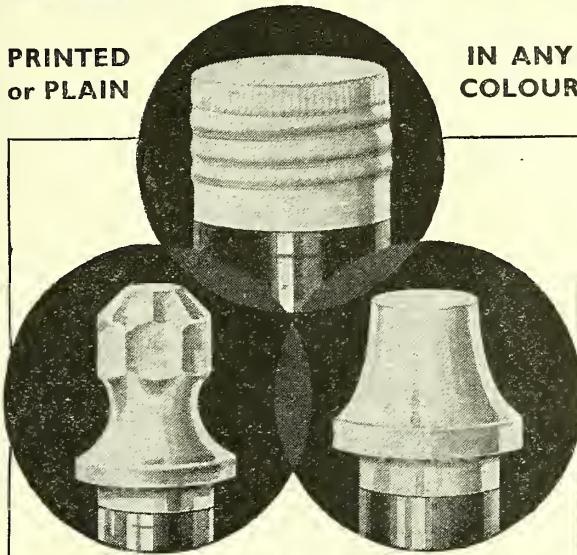
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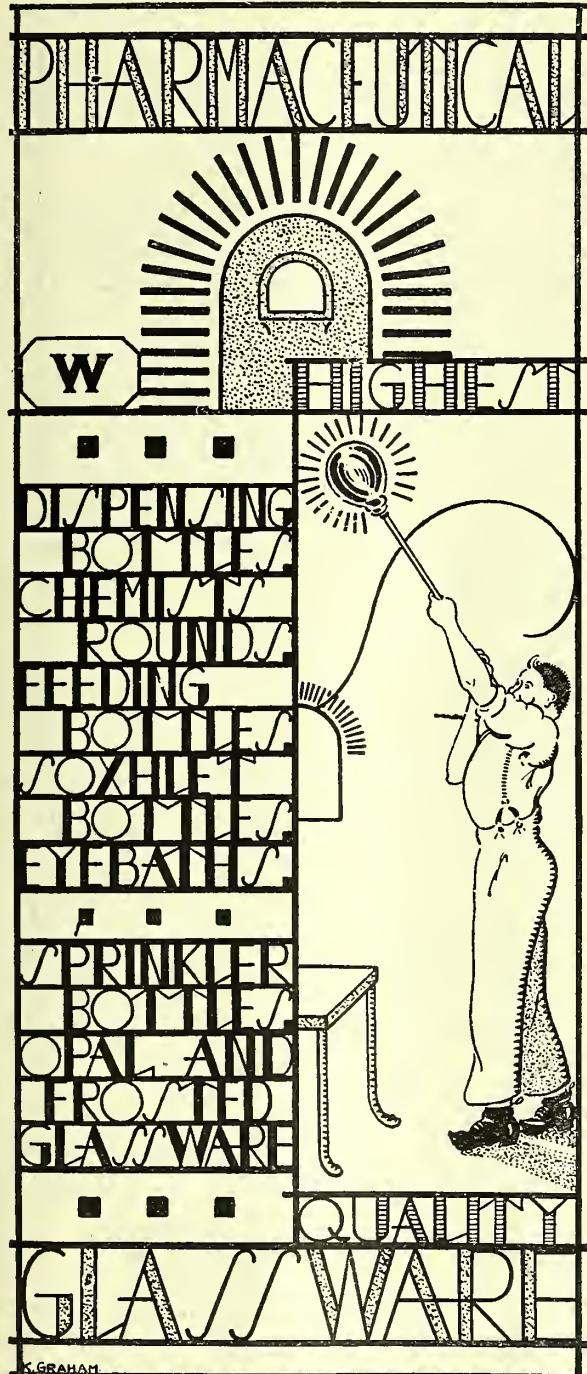
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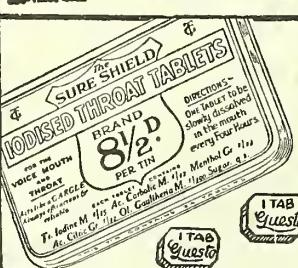


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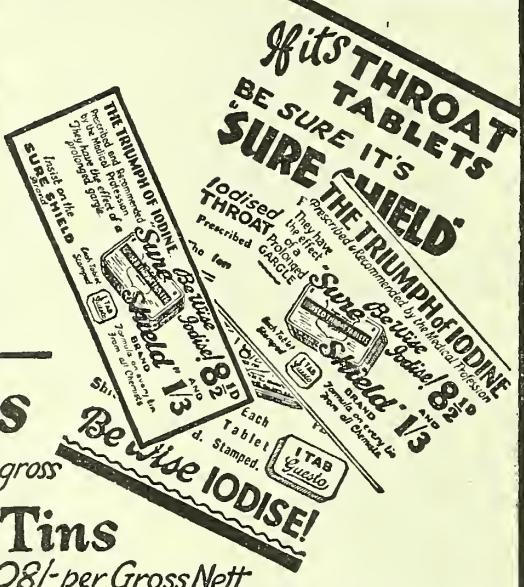
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Our Attention has been called by customers of ours to certain circulars received by them dated the 20th June last, which purport to have been issued by VENO DRUG CO. (1925) LTD., BEECHAM'S PILLS, LIMITED, and IRVING'S YEAST-VITE, LIMITED, referring to certain actions taken against ourselves WALFOX LIMITED.

In each of these circulars it is stated :—

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What purports to be "*an accurate record*" of the result of the proceedings—

1 OMITS TO STATE	that the Undertaking given by Walfox Limited, the Defendants, in the Order of the Court is preceded by the words :—"And the Plaintiffs by their Counsel withdrawing any charge of DISHONESTY against the Defendants."
2 OMITS TO STATE OR IDENTIFY	the particular leaflet issued by us to the Public, although this is specifically referred to in the Judgment.
3 OMITS TO STATE	that clause (2) of the terms of the Undertaking given in the action provides :— "That if the Plaintiffs advertise the fact of this settlement having been arrived at, the Defendants shall not be precluded by the foregoing terms of this judgment from replying to such advertisement and in so doing using any of the said name(s)."

The actions referred to in the circulars were AMICABLY SETTLED and we must in fairness to ourselves and also our esteemed customers deal with the matter.

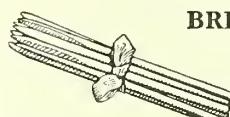
1	The Pink Leaflet and Posters which we willingly agreed to withdraw were immediately withdrawn by us, and New Leaflets and Posters were issued by us.
2	The WALFOX BRAND of SPECIALITIES needs no special advertising, and we rely on our good name, the quality and price of our products, and the common sense of the Public in realising the immense benefit they secure by purchasing OUR GOODS.
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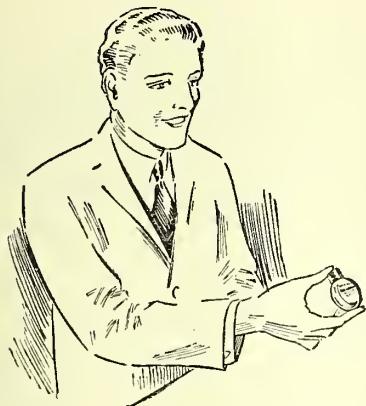
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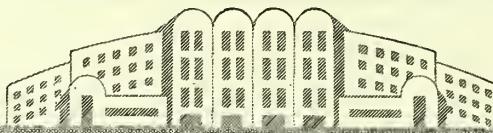
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VOL. 117 NO. 2738

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News of the Week

British Medical Association

The centenary meeting of the British Medical Association opened in London on July 21, and closes on July 30. Dr. Arnold Lyndon, chairman of the Central Ethical Committee, presented on July 22 a recommendation that the representative body should define the ways in which a practitioner intending to begin specialist practice might notify the profession of such intention. The recommendation was carried with slight emendation. The report of the Council on patents in the medical field was adopted, and the Council was asked to continue its consideration of the subject. Road accidents and mental deficiency were the chief subjects of discussion on July 23. On the same day Lord Dawson of Penn was formally inducted as president of the Association. Dr. Alfred Cox, on his retirement from the post of medical secretary after twenty-four years' service, was presented with a cheque for £1,000 and a list of subscribers to the presentation, which included his portrait painted by Sir Arthur Cope. The portrait will be hung in the B.M.A. headquarters. On July 24 a visit to Worcester was made by 500 doctors. A sermon was preached in the Cathedral by the Bishop of Birmingham; a memorial tablet to Sir Charles Hastings, founder of the Association, was unveiled on the house in which the founder had lived, and a stained-glass window in the Cathedral was unveiled by Lord Dawson. On July 25 a motion from the Manchester Branch, "That, as outlined in the Hospital Policy, the B.M.A. should press at the earliest opportunity for facilities for general practitioners to treat their patients in general hospitals," was carried by a large majority. Lord Dawson's presidential address was delivered on July 26. He urged upon doctors the

necessity of considering mental conditions when diagnosing; appealed for the provision of health hostels; suggested that much illness could be avoided if the faculty of a university would give popular lectures on medical subjects to the people of the neighbourhood; and took exception to Lord Moynihan's recent statement that modern surgery had almost reached perfection. Approval was given to the Council's recommendation that Professor T. G. Moorhead, Regius Professor of Physic, Trinity College, Dublin, be President of the Association for 1933-34. Among the papers read on July 27 was one on manipulative surgery, by Dr. J. Mennell, who said: "The immense reputation gained by unqualified practitioners for their power to cure a variety of ailments by manipulation is largely attributable to errors in diagnosis by members of our own profession. Professor E. Mellanby spoke on the effect of diet on bone formation. Colonel W. P. MacArthur, consulting physician to the British Army, said that it had long been his belief that the standard of knowledge in general medicine was lower to-day than it was when he qualified. He deprecated the tendency to rush students from subject to subject.

The Catholic Pharmaceutical Guild

A general meeting of the Catholic Pharmaceutical Guild was held recently in the hall adjoining Farm Street Church, London, W.I. A paper on the life and work of St. Albert the Great was read by Colonel O'Gorman, and ten new members were enrolled. The list of officers and council for the year 1932-33 is as follows:—Master, Mr. James Thomson, London, E.; Vice-Master, Mr. E. G. Monk, Barrow-on-Soar, Leicester; Life Hon. Master, Lt.-Col. P. W. O'Gorman, C.M.G., M.D., Harrow; Chaplain, Rev. Father Woodlock, S.J.,

London, W.; *Council*, Miss H. M. Brand, Whetstone, London, N.; Miss M. M. Blennerhassett, London, N.W.; Mr. C. S. Clark, London, W.; Mr. V. M. O. Chauffaurier, London, S.W.; Mr. E. J. Raynor, London, E.; Mr. A. J. McCabe, Croydon, Surrey; Mr. H. G. Mason, London, S.E.; Mr. J. M. Baugh, Ongar, Essex; Mr. F. B. Curran, York; Mr. W. O'Connor, Luton, Bedford; Mr. J. Wells, London, E.; Mr. B. Murphy, London, W.; *Hon. Secretary and Treasurer*, Capt. R. Stanley, M.B.E., 3 Wexford Road, London, S.W.12; *Hon. Auditor*, Mr. J. J. Wyre, Wembley. The subscription is 5s. per annum, payable in advance. Further particulars may be obtained from the secretary.

Inquests

An inquiry was held at West Hartlepool, recently, concerning the death of Mr. E. C. While, chemist and druggist, who was thrown from his motor-cycle and died in hospital on July 20. A verdict of "Accidental death" was returned.

At an inquest on the body of Dr. A. C. Otway, Barnes, on July 21, it was stated that he was found unconscious on the floor of his surgery and subsequently died from hydrocyanic acid poisoning. It was presumed that, his sight being defective, he had taken hydrocyanic acid in mistake for something else. A verdict of "Death by misadventure" was given.

Birmingham

Mr. E. W. Moore, son of Mr. F. H. Moore, Ph.C., works chemist and Birmingham branch manager of Camwal, Ltd., was one of the successful candidates in the recent Final examination of the Institute of Chartered Accountants.

A series of farewell receptions has been given by Mr. Barrow Cadbury, the retiring chairman of Cadbury Brothers, Ltd., at his house at Edgbaston. All the 9,000 employees of the company have been received in turn at these functions.

Liverpool

Prizes in the recent essay competition for the W. H. Saunders prize in connection with the Liverpool School of Pharmacy have been awarded as follows:—(1) S. S. Valins, Everton; (2) W. H. Stott, Widnes; (3) J. H. Kavan, Rock Ferry. The subject of the essay was "Why I Chose Pharmacy as a Career." The adjudicators were Mr. H. Humphreys Jones, F.I.C., Ph.C. (principal of the school), and Mr. Harold Nixon (chairman of Ayrton, Saunders & Co., Ltd.).

Miss M. I. Robinson, who, as announced in our issue of July 2, has obtained the Diploma in Education, is the youngest daughter of Mr. John H. Robinson, Exchange Station Pharmacy, Liverpool. At the age of eleven she won two scholarships, in one of the examinations coming out second among 600 candidates. Her education was continued at Blackburne House High School, Liverpool; after passing the Matriculation examination of the Northern Universities and gaining the Higher School certificate of the same body, she was selected by the Board of Education for a course at Liverpool University with a view to becoming a qualified



MISS M. I. ROBINSON

teacher. Miss M. I. Robinson passed her final B.A. examination at the age of twenty-one, and was offered a post before receiving her Diploma in Education.

Sheffield

Sheffield chemists are to hold a "joy night" in November, followed by a dinner later in the session.

Mr. Cecil Piper had the unpleasant experience of housebreakers at his residence in Retford Road while on holiday in East Anglia.

A grant of £7 10s. has been made by the local branch of the Society for prizes to the students attending the Preliminary Scientific courses at the Central Commercial College, Sheffield, and Barnsley Technical School.

The premises of Carter & Sons (Sheffield), Ltd., Attercliffe Road, have again been the scene of an outbreak of fire. This is the second within a few days, but fortunately, as before, it was not of a serious nature.

Mr. Kirman is relinquishing the secretaryship of the local branch in order to take charge of the junior section and the sports section. He has rendered yeoman service in the past, and will be a "live wire" in his new offices. A vote of thanks was accorded him for the able way in which he represented the branch at the Conference of Delegates.

Miscellaneous

Poison-Licence Application.—Mr. A. Hughes, Ponterwyd, has applied to the Cardiganshire County Council for a licence to sell agricultural and horticultural poisons.

Window Smash.—A window at the pharmacy of Mr. J. Eyles, chemist and druggist, Whalley Old Road, Blackburn, was smashed, on July 23, by a motor lorry which had skidded.

Fire.—There was an outbreak of fire on July 21 at the pharmacy of A. & N. Catto, Ltd., Cranbrook Road, Ilford. It originated in the basement, but the flames were subdued before much damage was done.

In the Courts.—The Judicial Committee of the Privy Council gave judgment, on July 27, dismissing with costs the appeal of Aspro, Ltd., Wellington, New Zealand, from a judgment of the Court of Appeal of New Zealand. It was stated that the Commissioner of Taxes assessed £8,000 of the £10,000 paid to Messrs. G. R. Nicholas and A. M. Nicholas as directors' remuneration for the year 1928 as income of the company for the purposes of income-tax assessment. That view of the Commissioner was upheld by the Appeal Court of New Zealand, and the company appealed.—In Bournemouth County Court, recently, Judge Maxwell gave judgment for the defendants, following the referee's report, in the case in which Mrs. Morris, trading as Gilgert & Hall, chemists, applied, under the Landlord and Tenant Act, 1927, for a new lease of premises at 35 Commercial Road (*C. & D.*, April 30, p. 474). The defendants, who were the landlords, had opposed the application.—At Chester, on July 22, Alfred H. Dixon was sentenced to a month's hard labour for stealing siphons, value 9s., the property of L. Rowland & Co., Ltd., chemists, Garden Lane.

Scottish Notes

Brevities

Mr. Thomas Davidson, 52 Elm Row, Edinburgh, has been appointed Scottish representative for Burgoyne, Burbidges & Co., Ltd., manufacturing chemists, East Ham, London, E.6.

At the graduation ceremony of Edinburgh University on July 21, Mr. W. H. F. Wilson, chemist and druggist, was "capped" M.B., Ch.B. Dr. Wilson is a son of Mr. W. P. Wilson, chemist and druggist, Haddington.

There has been a distinct falling off in the demand for proprietary medicines recently in Scotland, but the sale of chemist's "own name" remedies and general packed lines has been good. The consumption of "patents" in Scotland is much less than in England.

Irish Notes**Pharmaceutical Society of Ireland**

The following are the results of the July examinations of the Pharmaceutical Society of Ireland:—

LICENCE EXAMINATION.—Passed (arranged alphabetically), Mary E. Boland, Kevin A. Bowman, Thomasina H. C. Duffy, John E. Elmes, Mary E. Galvin, Samuel Greene, John P. Holland, John J. Howard, Patrick Keogh, Myra McGoldrick, Mary A. Rogan, Winifred Ryan. Thirty candidates were rejected.

PRELIMINARY EXAMINATION.—Passed (arranged alphabetically): Jeremiah J. Barnett, George Colvill, Thomas J. Considine, Nora Carmel Dowling, Kate Fleming, Thomas E. Miller, George A. Murray, Joseph C. Nolan, Jeremiah C. O'Leary, Thomas F. Wall. Twenty-one candidates were rejected.

REGISTERED DRUGGIST EXAMINATION.—Two candidates sat for this examination and both were rejected.

Free State Emergency Duties

The Free State Emergency (Imposition of Duties) Bill became law on July 23, and under it the Executive Council received powers of a comprehensive character for the regulation of trade. The Act empowers the Executive Council to require the taking out of a licence for any particular thing, to impose, vary or remove Customs, Excise or stamp duties, and to

prohibit the import or export of goods. Chemists are not specially affected by the list now promulgated, but it includes a duty of 2s. 4d. per cwt. on sugar, molasses and glucose, one of 9d. per oz. on saccharin, and duties on such spirits and table waters as are officially listed.

Brevities

Mr. J. Louden, Ph.C., Donaghadee, has forwarded the sum of £2 10s., collected in a weighing machine, to the Royal Victoria Hospital, Belfast.

At Caledon Petty Sessions, recently, Mrs. Margaret McGee, Brantry, was fined 5s., with 17s. 6d. costs, for having sold sweet spirit of nitre which was below standard.

Sir Thomas Robinson (Hayes, Conyngham & Robinson, Ltd.), is mentioned by the " Irish Independent " as a likely candidate for the office of Lord Mayor of Dublin. The present Lord Mayor's term of office expires on August 31.

Mr. D. S. Bennet, Ph.C., F.C.S., Cahirciveen, co. Kerry, has been awarded a prize of £1 1s. by the London " Daily Express " for a recipe for spraying flower buds to prevent attacks by earwigs. Mr. Bennet's recipe is on lines familiar to pharmaceutical readers; it contains quassia, soft soap and water, and includes directions for use—a point sometimes overlooked by senders of recipes to the Press.

Topical Reflections

By Xrayser

The Chemist's Critics

are numerous and, as pointed out by one of your correspondents (*C. & D.*, July 23, p. 97), he is found fault with on every possible score. One would, in fact, imagine it to be impossible for the business of a chemist and druggist to survive, after hearing all about our shortcomings from our different candid friends. In my experience much of the criticism of our methods, or lack of method, comes from manufacturers who endeavour to persuade us that we should never be without stock of all their preparations and every size of the same; also that we should continually have those particular preparations well displayed in our pharmacies. But, as " Holaby " states, it is beyond the ability of anyone short of a sundries house to hold stock of all the proprietaries that may be asked for. Moreover, the loss of interest on capital invested in an all-inclusive stock of proprietaries would surely swallow up more than the entire profit any retailer could expect to gain from ordinary sales over the counter. As to keeping all the proprietaries, or any considerable number of them, well displayed in a manner that would commend itself to the various manufacturers, that does not suggest itself to me as a practical proposition, even when allowance is made for the artful bonus schemes by means of which some of our self-styled benefactors seek to tempt us into giving their preparations preference in the matter of display.

If Pharmacy Has a Future

as stated by " Manufacturer " (p. 85), it can hardly be in the direction of our becoming confirmed as retailers of articles on which we must lose money through reduced profit, either by holding unnecessarily large stock, or by having to incur the special expense of telephoning or postage whenever we have disposed of the small quantity on hand or receive an order for a line which is not usually stocked. Someone has to meet any extra expense we find it necessary to incur; and the question is whether that someone must be ourselves, or our customer, or the wholesaler who supplies us. If the wholesaler is not also the

manufacturer, I can see no reason why he should be expected to bear the loss, though he might be authorised by the manufacturer to allow, say, an extra penny or more for 'phone call or postage. The point is that, if we are to continue to act as retailers of proprietary lines, there would seem to be growing reason for the manufacturers allowing us a greater margin of profit, even though we order only one or two of an article at a given time. This increased profit must be allowed, of course, only to chemists, and not even to them unless they are free from any taint of price cutting.

It May Be That Retailers

are, as suggested by " Manufacturer," living in a fool's paradise, but this is definitely stated to apply particularly to the prices they are paying for their drugs. Some chemists may have been able to buy their drugs, or some of them, below the N.H.I. tariff prices. This, however, cannot apply to the great majority who find themselves compelled to obtain their supplies from firms which issue price lists that conform to tariff prices; and it will be most unfair to them if they should have to submit to a cut in their remuneration for insurance dispensing, when new terms come into force, because some chemists have been able to buy at lower rates. Presumably, " Manufacturer " means to convey that the prices at which drugs can actually be bought will advance until they approximate more closely to N.H.I. tariff prices; but it is not to be expected that, in such case, the tariff prices will remain at the same level. Further, though smaller profit margins may, as suggested, be the order of the day for many of the lines which were formerly regarded as peculiarly chemists' goods, the loss of profit in this or any other direction must be made up in some other way if the business of a chemist and druggist is to survive and provide cheap agencies for so many manufacturers. If a new economic world is to provide a fresh environment for pharmacy, manufacturers and wholesalers may find it both desirable and necessary to temper the new conditions for us without laying us open to the reproach of being bottle-fed.

Legal Reports

Injunctions for Infringement.—In the Chancery Division of the High Court, London, on July 26, Mr. Justice Maugham heard two motions by The Iron Jelloids Co., Ltd., to restrain infringement of the registered trade mark "Jelloid" and for incidental relief. Mr. Kenneth Swan, for the company, stated that the first case was against Mr. William Schofield, who traded as the People's Pharmacy, and that a settlement had been arrived at which embraced several other actions against the same defendant. In this particular case the defendant consented to the motion being treated as the trial of the action, and would give a perpetual undertaking not to infringe the plaintiffs' trade mark, deliver up all infringing matter for destruction, and pay the taxed costs. Mr. Justice Maugham said that on those terms all further proceedings in the action would be stayed.—Mr. Swan said that the second motion was against Mr. William Davison, and was precisely of the same nature, although the pamphlet was slightly different. Counsel for the defendant said he was willing to submit to a perpetual injunction, and to an inquiry as to damages, and to pay the taxed costs of the action, the costs of the inquiry being reserved. Judgment was entered for the plaintiff company accordingly.

On the same day two motions, one by the Veno Drug Co., Ltd., and the other by Phosferine (Ashton and Parsons), Ltd., both against Mr. William Thomas Davison (trading as The British Pharmacies), Victoria Arcade, Southend, came before Mr. Justice Clauson in the Chancery Division. Mr. Trevor Watson, K.C., explained that injunctions were claimed against Mr. Davison to restrain him from infringing registered trade marks. With regard to the Veno Drug Co., they asked for an order restraining him from infringing their trade marks "Germolene" and "Cassell's Tablets"; from utilising the trade marks for the purpose of selling medicinal preparations not of their manufacture or merchandise; from issuing or distributing printed matter calculated to cause the passing off of Davison's goods as and for their goods or as the same as their goods; and from falsely publishing of and concerning "Germolene" that it was made according to the same formulae and had the same ingredients and medicinal action as the alleged copies of it sold or offered for sale by Davison. Mr. Watson added that Davison was willing to submit to a modified order and treat the motion as the trial of the action. There was, however, the outstanding question of costs and damages, and Davison's plea was that he could not afford to pay. As he was not prepared to take a full order, the plaintiffs were obliged to go on. Mr. Justice Clauson said he would grant the injunctions till trial of the action or further order. Similar injunctions were also granted in respect of Phosferine (Ashton & Parsons), Ltd.

Sale of Poisons: Appeal.—The Court of Appeal, consisting of Lords Justices Scrutton, Lawrence and Greer, heard on July 26 the appeal of the Pharmaceutical Society of Great Britain from a judgment of the Divisional Court (*C. & D.*, May 28, p. 578) affirming a decision of Judge Randolph at Aylesbury, who dismissed a claim for penalties against Mr. Claud Philip Edward Fuller, chemist and druggist, Wendover. Sir Leslie Scott, K.C., and Mr. H. Glyn-Jones appeared for the Pharmaceutical Society. Mr. Fuller appeared in person.

CASE FOR THE APPELLANTS

Sir Leslie Scott said that Mr. Fuller had a chemist's shop at Wendover, at which he had an unqualified girl assistant. The allegation against him was that during his absence two bottles of chlorodyne and a bottle of lysol were sold by the unqualified assistant, and that he had committed a breach of the Poisons and Pharmacy Act, 1908, by not conducting the business personally between July 28 and

August 31. The evidence was that he had a contract to do dental work at the R.A.F. Camp at Halton, and the case for the prosecution was that he worked there forty-two hours a week. He himself said that he only worked between 8 and 12 and between 2 and 4 on four days a week, and that there were three weeks in which he was on leave from the camp. The provision that chemists' businesses should be conducted personally was intended for the protection of the public. Every day there was a suicide committed with lysol in this country.

Lord Justice Scrutton: Is that why they put it in automatic machines? Lord Justice Greer: I thought the gas oven was the favourite way of crossing the Styx. Sir Leslie Scott: I am not instructed.

The county court judge, counsel said, had not been satisfied that Mr. Fuller did not conduct the business personally within the meaning of the section. He submitted that as a matter of law the county court judge ought to have been satisfied. What the Society was anxious about was to obtain a decision as to the real meaning of the obligation imposed by the Statute.

Lord Justice Scrutton: Do you go so far as to say that if he is absent on a particular day during five minutes in which a sale takes place he is not conducting the business? Sir Leslie Scott: No. Lord Justice Scrutton: Then it is a question of degree. Sir Leslie Scott: Not in this case.

Lord Justice Scrutton: It would not be a statutory offence if a qualified man sold lysol to a child of twelve. Sir Leslie Scott: No, but the principle of the Act is that the qualified man who has to pass examinations and is a man of education will exercise a wise discretion. Lord Justice Greer: He is not like an innkeeper bound to supply everybody. Sir Leslie Scott contended that the judge was unduly impressed with the view of the judges in the automatic machine case.

Lord Justice Scrutton: I have an uncomfortable suspicion that what you are really after is to stop unqualified persons being employed in a chemist's shop. Sir Leslie Scott: To stop their being employed for the purpose of conducting the business. The legislature has taken the view that there must be a qualified man in every chemist's shop. Lord Justice Lawrence: He must not leave the shop in charge of an unqualified chemist? Lord Justice Scrutton: Even with the most rigid instructions not to sell poisons? Sir Leslie Scott said there must, of course, be some elasticity, but the members of the Pharmaceutical Society were mostly persons who owned chemist businesses. If they were prevented from employing unqualified assistants, that would impose an additional financial burden upon them.

Lord Justice Scrutton: I want to see how far you go. A chemist in *Bardell v. Pickwick* was called on the jury. He told the judge he had left an assistant in his shop who did not know Epsom salts from aconite, or something of that kind. He was away on public duty. He left the assistant with the most rigid instructions not to sell poison. Is he guilty of an offence if the assistant does sell poison to an urgent customer? Sir Leslie Scott: May I raise a doubt whether chemists could be called on a jury? Lord Justice Scrutton: They were in *Bardell v. Pickwick*. Lord Justice Lawrence: There were no Pharmacy Acts then. Sir Leslie Scott: *Bardell v. Pickwick* is a leading case, and I am not impugning its authority on the law as it then stood. I am told that pharmaceutical chemists cannot be called on a jury but chemists and druggists can. Lord Justice Scrutton: Apparently they could in that day. But do you really say that a man who employs an unqualified assistant, saying "You are not to sell poisons," and goes out to lunch, and the assistant disobeys instructions, that in that case the chemist commits an offence? Sir Leslie Scott: Yes. Originally the assistant was liable to a fine of £5 personally, but the view of the Legislature was that that was not enough to protect the public. Lord Justice Greer: Surely you would be entitled to say that occasional absence would not be

enough, but that this is a case of absence over long periods of time. Sir Leslie Scott: I accept that.

CASE FOR THE RESPONDENT

Mr. Fuller contended that the chemist of to-day was a general storekeeper with the title of chemist after his name. The chemist could not be expected to remain in his shop all day as a martyr to his profession. He might go out for other business or for meals. He was only temporarily absent from his shop at intervals. He did all the dispensing himself, and personally conducted the business. The greater part of the business was done in the afternoon and evening. His assistant disobeyed instructions.

JUDGMENT

Lord Justice Scrutton, giving judgment, said this was not a very easy case to decide. The difficulty arose partly from the language of the statute and partly from the facts of the case. Under the Act of 1808 it was an offence for an unqualified person to sell poison, even though the unqualified person were the servant of a qualified person. In 1908 this Act was passed to give more protection to the public. Incidentally it was argued now that it gave more protection to the members of the Pharmaceutical Society. Section 3 (1) says: "Any person who, being a duly registered pharmaceutical chemist or chemist and druggist, carries on the business of pharmaceutical chemist shall"—that obviously referred to the man who owned the business—"shall, unless in every premises where the business is carried on the business is bona fide conducted by himself or some other duly registered pharmaceutical chemist or chemist and druggist" be liable to a penalty.

His lordship was of the opinion (1) that the words "bona fide conducted" were larger than the words "carry on business" and involved some further element than ownership and receipt of profit; (2) that the words were "business is conducted," not that the series of sales which formed the business are each conducted. In other words, it was not sufficient to make an offence under the section to prove one sale not conducted by the registered person. How many sales must be proved was a question of degree. In his view "conducted" meant something like controlled or managed, so that a man might conduct the business without personally undertaking or carrying out everything that was done in the business. When Parliament wanted to say "personally conducted" it knew how to do so. It said so in Section 3 (4). It did not say so in Section 3 (1). With that view of the Section in mind, what were the facts?

Mr. Fuller had a chemist's shop. He was also engaged at a military camp about forty-two hours a week. That forty-two hours left him time, and he gave time at the luncheon interval at the middle of the day and after 4 o'clock to carry on the business in his shop. He was summoned for two offences. The first was that on three days poison was bought in his shop from an unqualified assistant. Whether three days were enough to make him "not conduct his business" was a question of fact for the county court judge. The other summons alleged that between July 28 and August 31 he did not bona fide conduct the business. As to three weeks he was not working at the camp at all. In the other two weeks he had forty-two hours at the camp and thirty hours at the shop. Whether that amounted to conducting or not conducting was a question of fact for the county court judge, and there was no appeal on questions of fact provided that there was evidence to support the finding. In his view there was evidence to support the finding, and he could see no error of law made by the county court judge in coming to his conclusion.

Lord Justice Lawrence agreed. He said the county court judge in no way misdirected himself. The question was one of degree. The present case was on the border-line as to the facts. He was not at all sure that he should not have come to a different conclusion from the county court judge. On the facts Fuller undertook business at the summer camp some

distance away from his shop, and during that time no doubt neglected his business in the sense that he was absent from the chemist shop for substantial periods of time; but there was evidence which justified the county court judge in finding that he was conducting the business, that nobody else was conducting it for him, and that he was the sole person who did conduct the business.

Lord Justice Greer dissented. There were only two ways in which a pharmaceutical chemist could conduct his business. One was by being on the premises to conduct it himself, the other was by getting another pharmaceutical chemist to conduct it on his behalf. The proprietors of multiple chemists' shops, could not escape conviction if they did not have in each shop a registered pharmaceutical chemist to conduct the business, because it was quite impossible even for a pharmaceutical chemist to be in half a dozen different places at once. In this case it seemed to him to be established that for at least a fortnight Fuller committed an offence under Section 3 (1). It was not as if his absences were accidental or occasional such as everyone would consider to be reasonable exceptions. They were intentional, and he did not take the alternative provided for him by the section by providing a qualified chemist to take his place in the shop. If he found it was worth his while to conduct two businesses, he must so conduct them as to comply with the Act. If the judge had understood the section and applied it, he could have come to no other conclusion than that an offence had been committed.

By a majority the appeal was dismissed.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

WILLIAM DOBBIN & CO. (CHEMISTS), LTD. (P.C.).—Registered in Belfast. Objects:—To acquire the business of chemists, carried on at 65 North Street, Belfast, as William Dobbin.

LAVENDRA, LTD. (P.C.).—Registered in Dublin. Capital £500. Objects: To carry on the business of manufacturers of and dealers in all classes of perfumes, face creams, hair oil, shampoos, soaps, etc.

L. H. LLEWELLYN, LTD. (P.C.).—Capital £700. Objects: To acquire the business of a chemist and druggist carried on by L. H. Llewellyn at The West End Drug Stores, Penel Orlieu, Bridgwater, Somerset.

WILLIAM HALLWORTH, LTD. (P.C.).—Capital £3,000. Objects: To acquire the business of a patent medicine dealer heretofore carried on by Mary Hallworth, at 155 London Road and Vine Street Works, Hazel Grove.

A. G. A. TRADING CO., LTD. (P.C.).—Capital £500. Objects: To carry on the business of producers and dealers in cleansers and polishers, chemical, and other preparations, etc. R.O.: 381 Uxbridge Road, Acton, W.3.

THE BRISTOL VETERINARY MEDICINE CO., LTD.—At a meeting held recently at Bristol, it was resolved that this company be wound up voluntarily. Mr. F. W. Eacott was appointed liquidator.

SHEARLS CHEMISTS, LTD.—At a meeting held in London on July 19, it was resolved that this company be wound up voluntarily. Mr. P. E. Slack, 44 Bedford Row, W.C.1, was appointed liquidator.

MAJOR & CO., LTD.—Profit to March 31 was £6,593, compared with £13,739 for the previous twelve months. After meeting depreciations, interest charges, etc., and crediting £1,349 brought forward, there is a debit balance of £2,127 carried forward. Meeting at Hull July 29.

Pharmaceutical Society of Great Britain

Examination Results

PHARMACEUTICAL CHEMIST QUALIFYING EXAMINATION

THE following are the results of the Pharmaceutical Chemist Qualifying examination held in London this month:—Entered, 50; passed, 23; failed, 19; referred, 7; absent, 1. The following were successful, and have been registered as pharmaceutical chemists:—

Allison, T. R., Barnes, G. G., Berry, F., Brewster, L. K., Brimblecombe, Vera W., Burgess, G. C., Callaghan, J. C., Colsell, C. J., Davis, S., Hartley, F., Jenner, R. M., Lunn, E. A., Oldham, S., Riley, R. W., Roberts, J. C., Rogers, P. H., Scott, J. L., Shaw, L. L., Smith, E. R., Taylor, Irene S., Tennent, E. W., Veness, B. R., and Williams, M.

PRELIMINARY SCIENTIFIC AND CHEMIST AND DRUGGIST QUALIFYING EXAMINATIONS

	No.	PRELIMINARY SCIENTIFIC				CHEMIST AND DRUGGIST QUALIFYING			
		Absent	Failed	Referred	Passed	Absent	Failed	Referred	Passed
Entered for Prelim. Sc. exam. . .	515	4	248	126	137	—	—	—	—
Referred subject in Prelim. Sc. exam. . .	94	—	—	50	44	—	—	—	—
Entered for C. and D. exam. . .	502	—	—	—	—	5	125	117	255
Referred subject in C. and D. exam. . .	24	—	—	—	—	—	—	9	15
	1,135	4	248	176	181	5	125	126	270

Candidates have been referred as follows:—In botany, 116; chemistry, 32; physics, 28; pharmacognosy, 22; pharmacy, 49; pharmaceutical chemistry, 43; forensic pharmacy, 2; total, 302.

Candidates have failed as follows:—In botany, 232; chemistry, 198; physics, 196; pharmacognosy, 100; pharmacy, 91; pharmaceutical chemistry, 86; forensic pharmacy, 61.

The following, having satisfied the examiners in this examination, have been registered as chemists and druggists:—

Ainsworth, H. A., Bolton
Alstead, Norman, Wigan
Alter, L. I., Stoke Newington
Andrew, S. D., Bollington
Andrews, Christine, Manchester
Arnold, Ida, Bradford
Ash, Lionel, Cheetham
Askew, Elsie, Stalybridge
Atkins, A. E., Langley
Baggs, T. G., Newport
Baker, A. W., Norwich
Baker, W. H., Lincoln
Baldock, E. G., Dunstable
Baldwin, Jesse, Tunbridge Wells
Barnard, F., Gainsborough
Bate, J. P., Bude
Bell, C. L., Felixstowe
Bellairs, F. W., Ely
Benjamin, W. S., Liverpool
Bennington, E. W., St. Albans
Berry, F., Cloughfield
Bogush, I., Merthyr Tydfil

Bougourd, E., Southampton
Bowler, Eric, Leicester
Boydell, G. S., Liverpool
Bran, J. W. H., Lymington
Bratt, B. E., Mansfield
Bristol, R. G., Warrington
Broughton, Joan, Stretford
Brown, Herbert, Nelson
Brown, N. S. E., Southwell
Burke, M. N., Portsmouth
Burridge, A. G., Southsea
Burridge, R. C., Bourneemouth
Bussell, M. L., Crumlin
Buss, A. J. G., Rhyl
Caithness, Bertha M. A., Bermondsey
Chadwick, Ennis Annie, Sheffield
Chaussard, G. R., Victoria
Chipperfield, A. E., Beckenham

Clifford, G. E., Birmingham
Coleman, W. S., Norman-ton
Coulson, G. N., Cambridge
Cousens, G. W. R., Cardiff
Cripps, C. H., Swindon
Cripps, H. G. A., Hereford
Culbert, Sidney, Stockport
Davies, Aneurin, Swansea
Davies, Lewis, Blackpool
Davies, M. M., Spital-fields
Davies, R. I., Llanwrtyd Wells
Dell, Florence M., Bournemouth
Denney, G. A., Daventry
Dennis, S. F., Kentish Town
Desch, Marie L., Tottenham
Devonshire, S., Scarborough
Dewhurst, R. N., Kendal
Dibbs, Q. G., St. Agnes
Dixon, L. E. A., Birmingham
Dolman, T. H., Neath
Downing, G. N., Bognor
Drake, D. O., Newmarket
Eccleston, Thomas, Smethwick
Edwards, W. N., Stourbridge
Ellis, W. J., Gt. Wyrley
Evans, W. J., Holyhead
Evasion, L. C., Birkenhead
Ferrier, Richard, Lincoln
Fielding, J. E., Manchester
Fielding, W., Exmouth
Fingerhut, Hyman, Cheetaham
Fleming, John, Dudley
Fooks, Mary A., Midsomer Norton
Forrest, P. M., Marsden
Foster, Esther M., Tenbury Wells
Franks, H. T., Torquay
Fudge, K. C., Blandford
Gabe, Rose, Stamford Hill
Gage, J. C., Harringay
Gale, Joan U., New Malden
Garnham, G. H., Cambridge
Gill, Albert, Bury
Gilpin, T. W., Penrith
Goodman, Hany, Brighton
Gorton, Florence E., Whitechapel
Grange, R. E., March
Grant, R. F., Aberdeen
Greenway, W. C., Birmingham
Gregory, J. B., Market Harborough
Gregson, John, Burnley
Grey, George, Morecambe
Griffith, W. G., Holyhead
Griffiths, Muriel S., Llwynypia
Griffiths, T. R., Newcastle Emlyn
Grigg, I. W., Portsmouth
Hales, A. R., Charlton
Hall, G. C., Bury
Hall, R. A., Sheffield
Halliday, S., Birkenhead
Hammond, L. E., Stockport
Handley, Joseph, Poole
Harries, Annie, Llanelli
Harrison, B. W., Long Eaton
Harrison, F. M. W., Scunthorpe
Harvey, F. R., Dudley
Hewitt, Ralph, Wavertree
Hitchen, Alan, Blackburn
Hixson, B. L., Bournemouth
Hobson, L. W., Bromborough
Hodges, C. D., Shrewsbury
Holmes, A. E., Mansfield
Hooton, Mary H., Birmingham
Hopkins, F. G., Brighton
Hotchin, C. E., Bury
Houghton, E. K., Douglas
Howarth, Reginald, Coven-try
Hudson, F. A., Barkby
Hulse, Norman, Longton
Hunt, J. A., Southampton
Jacobs, Cecil, Leicester
Jeacock, Alice E., Ipswich
Jeeves, Gilbert, Burnley
Jones, D. G. J., Carnarvon
Jones, E. H. E., Bridgend
Jones, G., Liverpool
Jones, T. C., Cardigan
Jones, T. R., Islington
Jones, W. R., Bethnal Green
Kelly, F. C., Liverpool
Key, A. H. S., Market Harborough
Kime, L. T., Luton
King, Geoffrey, Trowbridge
Knowles, Ethel M., Accrington
Lake, R. McR., Bourne
Lappin, Jonah, Liverpool
Leach, C. E., Leicester
Lee, Harry, Church
Lewis, Barbara F., Rhyl
Lewis, J. Ll., Lowestoft
Lloyd, Herbert, Tregaron
Locke, E. E., Burton-on-Trent
Long, F. W., Trowbridge
Longley, Edward, Havant
McBryde, W. O., Norbury
McGarey, N. R., Burton
McNeice, F., Blackpool
Marshall, R. W., Stourbridge
Martin, A. S., Walsall
Martin, J. R. F., Paignton
Mason, A. G., Haverhill

Miles, R. S., Westcliff
 Miles, R. H., Sutton Coldfield.
 Mobbs, M. A., Bury St. Edmunds
 Mellors, A. J., Nottingham
 Moody, G. C., Bristol
 Moon, C. C., Bath
 Moore, L. H., Bath
 Morris, C. O., Liverpool
 Morris, H., Gloucester
 Morris, J. F., Kettering
 Mossop, Louis, Blackburn
 Mourant, Mary J. O., Norbury
 Musgrave, R. H. D., Oxford
 Nicholls, S. F., Wavertree
 Noble, G. H., Newmarket
 Norman, J. E., Cambridge
 Ough, L. S., Liskeard
 Patch, Llewelyn, Oldham
 Peake, R. G., Portsmouth
 Pemberton, S. R., Barry Dock
 Perfect, C. W., High Wycombe
 Phillips, O. R., Haverfordwest
 Philpot, W. F. J., Diss
 Pickford, C. A., Leicester
 Pierce, D. E., Wrexham
 Pollard, A. F. W., Dalston
 Pollard, W. S., Douglas
 Polmanteer, J. H., Kettering
 Powell, E. J., Hereford
 Powell, E. E., Boksburg
 Prance, H. P., Holloway
 Price, Herbert, Everton

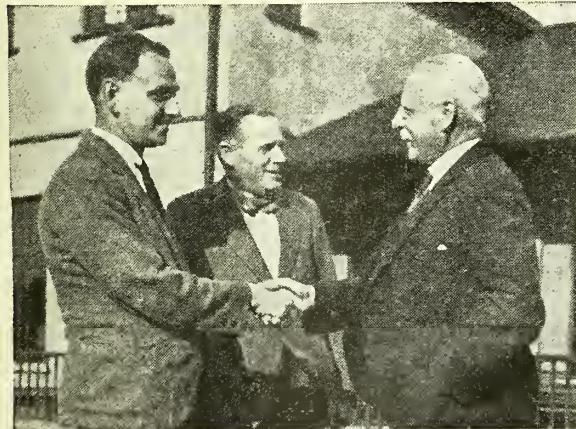
Price, Queenie E., Kidderminster
 Prior, H. C., Falmouth
 Race, A. D., Barnsley
 Rea, Joan F., Birmingham
 Rees, W. S., Aberystwyth
 Reynolds, Ernest, Edgbaston
 Reynolds, Stanley, Birmingham
 Rhodes, L. E., Liverpool
 Richardson, Joan D., Ashton-on-Ribble
 Ringrose, Harry, Hull
 Roberts, J. H., Abergel
 Roberts, T. R., Chester
 Roberts, Viola M., Stourport
 Robinson, G. C., East Dereham
 Robjohns, E. J., Totnes
 Rogers, D. S., Bromley
 Ruse, E. W., Devonport
 Russell, F. T. W., Tunbridge Wells
 Schofield, T. A., Coventry
 Sharp, Alice M., Sowerby Bridge
 Sharpe, S. H., Southsea
 Sharpen, L. J., Hove
 Shaw, Edwin, Burnley
 Sherriff, H. J. D., High Wycombe
 Shill, J. C., Wakefield
 Shilling, N. W., Wandsworth
 Shore, Fred., Manchester
 Simmons, Jacob, Aldgate
 Smith, Angela M., Woodbridge

Smith, Annie O., Liverpool
 Smith, R. A., Wrexham
 Somerset, G. B. H., Wandsworth
 Spencer, T. H., Rossendale
 Spiller, F. S., Southampton
 Stephens, R. W., Bude
 Stern, Mitchell, Manchester
 Stiles, M. P., Market Harborough
 Stokes, Frank, Sevenoaks
 Storer, Ada L., Manchester
 Stringer, Elsie, Clay Cross
 Sunderland, C. J., Southsea
 Sutton, L. N., Gloucester
 Taylor, J. S., Birmingham
 Taylor, Richard, Morecambe
 Thomas, F. L., Birmingham
 Thomas, Meurig R., Abercarn
 Thompson, C. N., Liverpool
 Todd, S. A., Birkenhead
 Tomlinson, Margaret A., Lytham
 Trythall, F. J., Leek
 Turner, R. J., Gloucester
 Tutty, E. H., Lincoln
 Tyrrell, J. J., Shorncliffe
 Underhill, Margaret J., Prestwood
 Underhill, W. A., Coventry
 Walker, J. C. S., Rugeley
 Walker, Stanley, Whitby

Walmsley, Fred, Blackburn
 Walters, Brinley, Dowlais
 Warrington, A. F., Rochdale
 Watkins, A. K., Tredegar
 Watkins, Mary E., Barnes
 Watson, R. W., Wisbech
 Watterson, W. J., Liverpool
 Webb, C. F., Reading
 Webster, W. S., Dudley
 Wesly, M. R., Ely
 Wharton, Harry, Ardwick
 White, Frank, Peterborough
 White, Walter, Luton
 Wilkes, Ernest, Portsmouth
 Wilkinson, Harry, Todmorden
 Willets, E. Rawtenstall
 Williams, C. B., Liverpool
 Williams, E. M., Swansea
 Williams, L. E., Bath
 Williamson, R. B., Eccles
 Willis, E. J., Cardiff
 Wilson, F. G., Willesden
 Wilson, Godfrey, Southport
 Woods, C. R. S., Diss
 Wookey, S. H., Bristol
 Woollatt, W. P., Colchester
 Worth, R. L., Devonport
 Wren, D. W. W., Bournemouth
 Wright, Phyllis M., Harborne
 Yates, A. R., Devonport
 Yoxall, Dorothy M., Stockport

Sporting Events

MEMBERS of the Manchester and District Chemists' Golfing Society turned up in good numbers at Denton Golf Course recently to compete for the "Ex-Captain's Prize." After high tea the president (Mr. J. H. Franklin) congratulated Mr. F. D. Gee on winning the prize which had been contributed by the ex-captains. Mr. Franklin also announced that there was to be an



Photo

MR. GEE BEING CONGRATULATED BY MR. FRANKLIN

additional match (not on the season's fixture card) which was provisionally fixed for August 3, the captain (Mr. S. N. Bostock) having offered to give a prize for compe-

tition among their own members, to be called the "captain's prize." This competition will take place at Blackley golf course (in the North Manchester district). The following were the best scores:—

F. D. Gee ... 88-14=74	J. Aves ... 81-2=79
S. Fletcher ... 87-11=76	R. Balff ... 103-24=79
V. Cromack ... 93-16=77	W. Sturdy ... 82-2=80
	T. Miller ... 92-12=80

THE annual general meeting of the Sports Association of The British Drug Houses, Ltd., was held at Graham Street, London, N.1, on July 19. The chair was taken by the president (Mr. C. A. Hill), who was supported by other members of the board. The financial statement was put to the meeting and carried unanimously. A brief account of the year's progress was followed by the presentation, by Mrs. C. A. Hill, of the interdepartmental challenge shields for cricket and football to the pill and tablet department and H laboratory teams respectively, together with medals to the last-named. The B.D.H. Sports Association now run the following clubs:—Football (two teams); cricket (ladies' and gentlemen's teams); lawn tennis; rambling; swimming; rifle; netball; and photographic. A fully equipped dark-room for the use of the Camera Club has just been opened at Wharf Road. There is also an Indoor Games Club, the winter season's amusements being catered for by an entertainments committee. A graceful tribute was paid to the wife of the president for coming to present the prizes. The meeting closed with a hearty vote of thanks to the president of the board for continued support of the Association, and to Mrs. C. A. Hill, for her gift of the football shield; also to Mr. C. M. Hill for his gift of medals to the winners.

THE bowling section of the Glasgow Pharmacy Club will play the third round in the single-handed competi-



SOME OF THE MEMBERS OF THE BOWLING SECTION OF THE GLASGOW PHARMACY CLUB

tion for the William Greig trophy on August 2. Particulars may be obtained from Mr. A. W. Calder, 256 Crow Road, Broomhill, Glasgow, W.I.

LEEDS chemists entertained York chemists at golf on July 20. The matches were played over the Wetherby golf course (a convenient half-way meeting place), and after an enjoyable game the Leeds chemists won by 7½ games to 3½. Results were as follows:

	Leeds	York
Mr. H. Bowman ...	1	Mr. J. Q. Parker ... 0
Mr. Shooter ...	0	Mr. G. A. Coverdale ... 1
Mr. J. R. Bentley ...	½	Mr. A. Jones ... ½
Mr. Crawford ...	1	Mr. O. Colbert ... 0
Mr. T. Burnes ...	0	Mr. J. H. Lupton ... 1
Mr. A. E. Houghton ...	0	Mr. F. Islip ... 1
Mr. L. Mitchell ...	1	Mr. W. V. Hargraves ... 0
Mr. J. Judge ...	1	Mr. B. Brookes ... 0
Mr. W. P. Bowman ...	1	Mr. J. A. Lupton ... 0
Mr. Kemp ...	1	Mr. L. A. Knowlson ... 0
Mr. Newbald ...	1	Mr. S. Allan ... 0

The competitors were entertained to tea by Mr. W. P. Bowman, and afterwards four-ball games were indulged in.

THE Maw challenge shield this year was competed for by the London Pharmaceutical Associations on a different basis. Instead of one big affair at New Barnet as a social gathering while the contests were being held the experiment was tried of holding the competitions on successive Thursdays in July, and the



MRS. SWANSTON AND MR. H. B. WALKER

finals or ladies' day at New Barnet. The sport was certainly better, but the number attending the social gathering was less. However, it proved to be a most enjoyable innovation. The London Chemists' Sports

Club were the hosts for the competitors, and nearly 100 visitors enjoyed the games and sports. The shield, after a year's sojourn with the Eastern group, came back to the North by 7 points to the Southern 6 and the Eastern 5. The Western group failed to provide competitors for any sport save bowls. The separate sports results were as follows:

Tennis, mixed doubles: North won with two points to Southern's one.

Golf: The Eastern group won with the Northern capturing one point over the Southern aggregate by one stroke. Eastern two points, Northern one.

Bowls: The Western came in but fell after a keen game with the Northerners, while the Southern eclipsed the Eastern. In the final the North just ran out winners from the Southern. North two points, South one.

Quoits: This was won by the Eastern after beating both the North and the South, thus capturing a further two points while the Southern obtained one.

Croquet and Putting (ladies' section): The Northern captured two points and the Southern one in putting.

In croquet the Southern acquired a further two points at the expense of the Eastern, who had already captured one from the North.

Other events were ladies' singles tennis, which was again won by Mrs. Swanston for the North, Miss Baines of the South, being the runner up. In golf, for the single, the lowest at Crews Hill was Mr. Bremner



THE WINNING BOWLING TEAM AT PADDINGTON

(Southern), but being unable to be present the contest for the special prize lay between Hargreaves (North), Daniels (East), and Macdonald (North). The first named ran out the winner. In putting for the special ladies' prize Mrs. Downing (North) was the winner with 40, and Mrs. Deas (North) was the runner up with 41.

In eleven years the shield has been won five times by the Northern sportsmen.

The shield competition sports were virtually over by tea time, and after tea various sports and races were indulged in by the visitors:—*Clock golf*, using a biased ball, was won by Mrs. Colhings and Mr. Gibson; *Golf singles* (18 holes) (1) J. E. Monaghan, (2) E. G. Jones, (Lowest gross score) W. Gray; *Three-legged races* were won by Miss Gore and Mr. Gibson; Miss Johnson and Mr. Hawkins being second; *Egg and Spoon races* resulted in a win for Miss Johnson and Mr. Felton, Miss Gore and Mr. Gibson being second; in the *Ladies' Races* the winners were Miss Sealyham and Mrs. Rogers. The children present also had races, nine of them winning prizes.

The shield and prizes were presented by Mrs. Porter, and votes of thanks were moved and seconded by Mr. J. C. Young (Northern president), and seconded by Mr. Main (Eastern president), and responded to by Mr. Porter. Finally, Mr. Skinner spoke on the sports meeting, and there were thanks to the House of Maw.

Proprietary Articles Trade Association Council Meeting

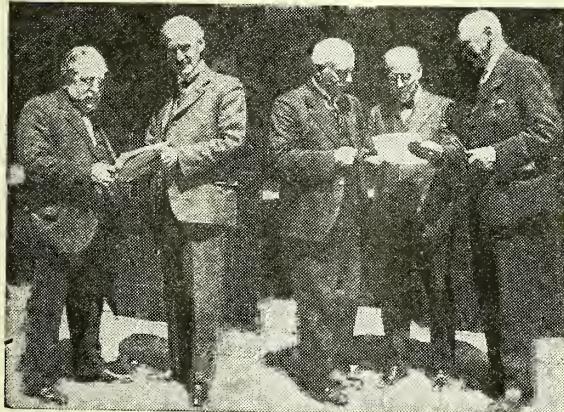
A MEETING of the Council of the Proprietary Articles Trade Association was held on July 14, the president (Mr. J. Godber) in the chair.

ADOPTION OF NEW RULE

On the motion of the PRESIDENT, seconded by Mr. ROWSELL, the following rule was unanimously adopted:—

Removal of Articles from Protected List

(1) If the Council shall be of opinion that the retention of any article on the Protected List is prejudicial to the interests of the Association or of any class of its members, whether by reason of the fact that



Photo]

[Cleworth

SEEN AT THE P.A.T.A. DELEGATES' CONFERENCE

Left to right: Messrs. G. B. Barnard, G. A. Tocher, J. C. Culbert, H. Skinner, W. J. Hardy

such article is frequently sold below the prices fixed by the manufacturers thereof or for any other reason whatever which the Council in its absolute discretion may deem sufficient, then the Council may remove such article from the list.

(2) Before any article is removed from the Protected List under the provisions of this rule, the manufacturer of such article shall be given not less than seven days' notice of the intended removal and shall be given an opportunity to make representations either orally or in writing to the Council, and the Council, before removing such article, shall take into consideration any such representations.

(3) Any notice required by this rule to be given may be given by ordinary letter post, and proof of the posting of any letter containing such notice addressed to a manufacturer at the address named in the list of members contained in the Association's Year-Book current at the date of posting, or if the secretary of the Association shall have received subsequent to the publication of the current issue of the Year-Book notice from the manufacturer of any change of address then at the address so communicated to the secretary, shall be deemed be proof of service of such notice.

(4) Any manufacturer who, after the removal of any article of his under the provisions of this rule has no article upon the Protected List shall be entitled, if he so desires, forthwith to resign from the Association, and if he so resigns there shall be repaid to him by the Association a part of his subscription for the then current year of his membership, proportionate to such part of such year as remains unexpired.

(5) In this rule, wherever the context permits, the word "Council" shall include a committee of the Council.

The Council authorised the president and the London members of the Executive Committee to constitute a Committee to exercise the powers of the Council under the above resolution.

OTHER BUSINESS

The Council approved and adopted the report of the Executive Committee, which dealt with the action taken by certain manufacturers and wholesalers in connection with the enforcement of the recent anti-cutting proposals; the new constitution and rules of the Association; the conference of retail delegates; Irish Free State duties; the Glyn-Jones memorial fund; and the Protected List. The quarterly report on the Association's price-maintenance work was received and adopted.

Photographic Notes

"HAPPY SNAPS" COMPETITION

Arrangements have been made between "Home Chat" and the Wholesale Photo Finishers' Association to organise this year's Happy Snaps competition. The competition is running monthly until September, closing the last day of each month. Five prizes of £2 will be given each month and three final awards of £25, £15 and £10. In addition to the money prizes there will be consolation prizes in the form of free enlargements. Entry coupons, one of which is put in each wallet containing a developing or printing order, are only available to members of the Association, and can be obtained from the secretary. Showcards attractively printed in black and red are supplied free to all those purchasing coupons who require them. All coupons are stamped with the registered number of the member who printed the snapshot and one coupon must be attached to each print submitted. When the prize winning snaps for each month are selected, the remainder are returned to the finishers whose numbers are on the back. Each finisher then selects one or two which are particularly suitable for enlargement and sends these to his dealer, who passes them on to his customers as consolation prizes.

MAINTENANCE OF D. AND P. PRICES

Representatives of the Wholesale Photo Finishers' Association, in the persons of the treasurer, Captain W. G. Barker, the vice-president, Mr. A. R. Cross, chemist and druggist, together with the secretary, Mr. E. J. Andrews, have been visiting a large number of towns to discuss developing and printing prices. Although 85 per cent. of the total D. and P. output in the country is retailed at the rates recommended by the Photographic Dealers' Association, there are certain districts which for years have been at a lower scale, and these have had first attention during this series of visits by a joint deputation from the W.P.F.A. and the Photographic Dealers' Association. In Northampton and Cheltenham, all the dealers who have been selling below P.D.A. scale for years past have now come up to standard rates. Bolton has been visited, local dealers there having suddenly decided to drop to 3d. developing, 1½d. prints and 3d. postcards, and it was found that this price-cutting was the result of quarrels between local finishers. After a meeting, which was attended by every approved dealer in the district, a decision was reached by seventy-eight votes to two to revert to the P.D.A. scale. Branches of the W.P.F.A. have been formed at Glasgow, Manchester, Birmingham and Southampton, which in each case cover the area surrounding these cities. Many other towns have been visited, such as Preston and Bath, and considerable correspondence conducted with individual dealers and photo finishers. This year there appears to be a greater desire for unity amongst finishers.

A Northern Ireland Pharmacy



THE NEW PHARMACY OF MR. H. A. JOHNSTON, PH.C., IN MAIN STREET, LARNE, CO. ANTRIM. MAHOGANY IS USED FOR THE SHOP FRONT AND FOR THE WALL CASES. THE SERVING COUNTERS ARE OF THE LATEST TYPE. INTERIOR STRIP LIGHTING IS EXTENSIVELY USED. THE DISPENSARY FORMS A SEPARATE DEPARTMENT AT THE BACK OF THE SHOP. THE OPTICAL AND PHOTOGRAPHIC DEPARTMENTS ARE UPSTAIRS.



British Pharmaceutical Conference, 1932

WE have received the following details of the arrangements that have been made for the Aberdeen meeting of the British Pharmaceutical Conference on September 12-16 inclusive:—

Monday, September 12

7.45 p.m. to 9 p.m. Civic reception by the Lord Provost, Magistrates and Town Council of the City, in the Art Gallery, Schoolhill.
9 p.m. to 11 p.m. Dancing in the Cowdray Hall. The Hall adjoins the Art Gallery.

Tuesday, September 13

10 a.m. Civic welcome by Lord Provost Rust in the MacRobert Hall, Gordon's Colleges. Address by the chairman, Mr. Herbert Skinner. Science meeting.
11.30 a.m. If desired, arrangements can be made for ladies to visit the Mitchell Tower, Marischal College.
1 p.m. Lunch in Music Hall, Union Street.
2.15 p.m. Delegates' meeting in MacRobert Hall. Science meeting in Gordon's Colleges.
2.30 p.m. Ladies' excursion to Dunnottar Castle, Kincardineshire. Tea will be served in the Castle Grounds.
7.30 p.m. Reception and dance in the Mitchell Hall, Marischal College.

Wednesday, September 14

10 a.m. Delegates' meeting in MacRobert Hall. Science meeting in Gordon's Colleges. Ladies' excursion. Circular tour round City.
1 p.m. Lunch in Music Hall
2 p.m. Official photograph to be taken.
3.15 p.m. Excursion to North of Scotland College of Agriculture, Craibstone, and Rowett Research Institute.
7.30 p.m. Banquet in Elphinstone Hall, King's College.

Thursday, September 15

9 a.m. Closing session in MacRobert Hall.
10.30 a.m. Excursion to Braemar.
1 p.m. Lunch at Braemar.
4 p.m. Tea at Aboyne.
8 p.m. Dance, supper and cabaret show in Beach Dance Hall.

Friday, September 16

9.15 a.m. Sports day. Golf and tennis at Cruden Bay, bowls at Ellon. Train leaves Aberdeen at 9.15 a.m., returning from Cruden Bay at 5 p.m.
Lunch and tea will be served in the L.N.E.R. Hotel at Cruden Bay.
Competitors' tickets will be issued at 12s. 6d. each.
Non-playing members are cordially invited to be present, for whom the charge for transport, lunch and tea will be 8s. 6d. inclusive.
The village of Port Erril is a quaint old-fashioned seaport, the rock scenery is exceptionally grand, and the links and the bay with its golden sands are well worthy of a visit.
8 p.m. Smoking concert.

It might be of interest to delegates to pay a morning visit (7.45 a.m. to 9 a.m.) to the Aberdeen Fish Market. The daily supply of fish dealt with is from 400 to 1,000 tons.

Intending visitors will kindly hand their names to the convenor of the transport committee, Mr. Mutch.

LOCAL EXECUTIVE COMMITTEE

Mr. W. F. Hay, chairman; Mr. M. K. Watt, hon. treasurer, Mr. J. Farquhar, convenor, Housing Committee; Mr. J. G. Mutch, convenor, Transport Committee; Mr. D. Anderson and Mr. A. P. Wallace, joint convenors, Entertainments Committee; Mr. M. C. Ross,

convenor, Sports Committee; Mr. W. Watt, convenor, Publicity Committee; Mr. H. M. Dugan, hon. secretary.

HOTELS

Hotel	Address	Bed and breakfast	Accommodation
Palace Hotel ..	Union Street ..	12/6	25
Imperial Hotel ..	Stirling Street ..	10/6	20
Station Hotel ..	Guild Street ..	10/6	40
Douglas Hotel ..	Market Street ..	9/6	20
Bon-Accord Hotel ..	Market Street ..	7/6	17
Northern Hotel ..	Kittybrewster ..	6/6	12

UNLICENSED HOTELS AND BOARD RESIDENCE

Ross's Hotel ..	267 Union Street ..	8/6	11
Forsyth Hotel ..	Union Street ..	7/6	40—50
Balmoral Hotel ..	Market Street ..	7/6	25
Osborne Hotel ..	451 Union Street ..	7/-	12
Burlington House ..	40 Union Street ..	7/-	30
St. Aubins ..	Anderson Drive South ..	7/-	20—30
Willowbank Hotel ..	Willowbank Road ..	7/-	6
Mrs. Napier ..	245 Union Street ..	6/6	12
Westbourne House ..	2 Polmuir Road ..	6/-	12
Cecile House ..	11, Bon-Accord Crescent ..	6/-	8

NOTES

All Conference visitors should make application direct to the hotel chosen, not later than August 15, stating that they are of the Conference party. Should there be any difficulty in securing accommodation apply direct to Mr. J. Farquhar, 340 Great Western Road, Aberdeen. All the hotels are central, with garage accommodation adjacent.

Each book of tickets for the entire programme, excluding Sports Day, costs £2 12s. 6d., but those applied for before August 15 will be subject to special concession of 2s. 6d.—£2 10s. Early application for tickets will be much appreciated by the Local Committee.

If accommodation is available, tickets for single days will be issued at £1 1s. per day. These tickets, however, can be granted only to members of the Conference and their families.

All applications for tickets should be accompanied by cheque or postal order, made payable to Mr. M. K. Watt, hon. treasurer, and sent to the hon. secretary, Mr. H. M. Dugan, 275 Holburn Street, Aberdeen.

An inquiry bureau will be opened at the Caledonian Hotel on Monday, September 12, for the duration of the Conference. Members of the Local Executive Committee will always be in attendance, ready to give information or help to Conference visitors. All visitors are invited to make full use of the bureau service.

A full list of visitors to the Conference, alphabetically arranged, will be posted in the bureau.

Arrangements have been made at the Caledonian Hotel for a ladies' dressing room for the use of Conference visitors, which will be available for the duration of the Conference. Ladies staying in other hotels or coming from outlying districts may find this a convenience for evening functions.

Arrangements have been made with the Railway Clearing House whereby vouchers will be issued to all applicants for Conference tickets. These vouchers allow visitors to travel at a single fare and a third for the double journey, and are available for seventeen days—from September 9 to September 25 inclusive.

To those who desire to "Come to Scotland" by sea, the Aberdeen Steam Navigation Co., Aberdeen Wharf, Limehouse, E.14, has direct communications between London and Aberdeen. The steamers are well appointed, and leave both ports twice weekly—Wednesday and Saturday. For a party of not less than twelve saloon passengers the company will grant a reduced return fare of £3 12s. 6d. per passenger.

Business Changes

MR. H. W. SPOONER, Ph.C., has opened new premises at 28 Cheapside, Barnsley.

MR. HENRY J. BOYD, chemist and druggist, has opened a business at Bedminster Road, Bristol.

THE BAKER METAL STOPPER CO., LTD., are removing, on or about August 15, from 261 Icknield Street to Hadley Street, Key Hill, Birmingham.

COX & SON, chemists, 36 Watergate, Grantham, have purchased the prescription-books of the late Mr. John Newcombe, chemist and druggist, High Street.

MR. JAMES LIDDELL, chemist and druggist, has acquired the business of the late Mr. John McKerlie, chemist and druggist, Thornhill, Dumfriesshire.

MR. A. T. REOCH, chemist and druggist, has removed his retail business from Brook Street to Hawkhill, Dundee, retaining the Brook Street premises for wholesale trade.

Trade Notes

COLOUR has rendered specially attractive the advertisements in this issue of Stafford Allen & Sons, Ltd., London, E.C.2; Butler & Crispe, London, E.C.1; and Potter & Clarke, London, E.1.



POWDER PUFF SPRAY.—Frank George & Co. (London), Ltd., 120 London Wall, E.C.2, have placed on the market under the name of the Chummy powder puff spray an article that will be welcomed by ladies. This toilet accessory, which is shown in the accompanying illustration, has many merits, inasmuch as it is convenient, economical, tidy and artistic. By means of the horn supplied the powder is filled into the bulb, and gentle pressure on the latter provides an even spray. As a back puff the Chummy is exceptionally useful. It is available in two sizes, No. 1 for the bathroom, and No. 2 for the dressing table.

POMEROY SKIN FOOD is to be sent out in cartons of a new design. Supplies of these for repacking present stock will be sent to chemists who write to Mrs. Pomeroy, Ltd., 84 Waterford Road, Fulham, London, S.W.6.

THE NESTHILL TOM THUMB SPRAYER is an excellent apparatus for use in the garden, the home and the office. It is advertised in this issue by Ernest H. Hill, Ltd., Spraygun Works, Sheffield.

HALIBUT-LIVER OIL.—British Colloids, Ltd., Park Royal, London, N.W.10, have introduced Collosol brand halibut-liver oil. The attention of the medical profession is being directed to this concentrated vitamin A preparation, which is supplied in 5 c.c. vials.

PRICE REDUCTION.—J. & E. Atkinson, Ltd., perfumery manufacturers, Eonia Works, Southwark Park Road, London, S.E.16, announce considerable reductions in the prices of their Gold Medal eau de Cologne and Old English lavender water. Details of the rebate and bonus offer will be sent on application to any chemist who has not received them.

A NEW EDITION of their price list of proprietary articles, druggists' sundries, packed goods, photographic materials and shop fittings has been issued by John Thompson (Wholesale Druggists, 1921), Ltd., Duke Street, Liverpool. Chemists who have not received a copy may obtain one on application.

EX-LAX SALES, LTD., Slough, inform us that the distribution of Ex-Lax brand chocolate laxative in Great Britain and Ireland will be taken over by them on August 1. Orders for this proprietary should be sent by chemists to their usual wholesalers, but in the event of any difficulty in obtaining supplies, a letter should be forwarded to the above address.

THE EXHIBIT of Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C., in connection with the centenary meeting of the British Medical Association, which is being held in London from July 26-29, includes insulin, concentrated liquid liver extract, diginitin, tabloid alkaline compound effervescent, tabloid irradiated ergosterol and ergotoxine ethanesulphonate.

CLOSED FOR HOLIDAYS.—The following wholesale houses have notified us that their premises will be closed on the dates mentioned:—Bayer Products, Ltd., London, E.C.3, from July 29 to August 2; Goodall, Backhouse & Co., Leeds, on August 1 and 2; Hirst, Brooke & Hirst, Ltd., Leeds, on August 1 and 2; Thomas Morson & Son, Ltd., London, W.C., from July 29 to August 8; Winchester Manufacturing Co., Ltd., Isleworth, July 29 to August 8.

THE BRITISH DRUG HOUSES, LTD., Graham Street, London, N.1, have on their stand at the centenary meeting of the British Medical Association, an exhibition of pure crystalline vitamin D, which has aroused considerable interest among those present. It is not merely a few crystals contained in a specimen tube, but consists of a large horizontal glass cylinder full of long needle-shaped white crystals. If the crystals were merely those of any well-known organic substance they would compel admiration on account of their extraordinary crystalline structure, but the fact that they are the first example of a pure vitamin prepared on an industrial scale makes them unusually interesting. The weight of the crystals in the cylinder is 25 gm.—equivalent to 1,000,000,000 (one thousand million) international units, representing the vitamin D activity of 500 tons of the best summer butter. Among other lines displayed are Radiostol, Radiostoleum, and Radio-Malt.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1932, p. 339.

(From "The Trade Marks Journal," July 13, 1932.)

- "SYLTO"; for chemicals (2). By Shoosmith, Young, Ltd., 22 South End, Croydon. 532,413.
- "PARKALAX," "PARKELAX" and "PARKILAX"; for goods (3) excluding medicated soaps, and for goods (48) excluding perfumed soaps. By Parkinsons, Ltd., Curzon Street, Burnley. 531,024/026/027/029/030/032 (Associated).
- "SOLUCAPS"; for medicinal chemicals (3). By J. M. Docker & Co., 16 Church Lane, London, W.5. 532,047.
- "F. W. GILLEY"; facsimile signature; for medicine (3). By F. W. Shelley, Grosvenor House, Park Lane, London, W.1. 532,090.
- "MELOSOL"; for hair preparations (48). By Paul A. Echernberger, 10 Elmbank Street, Glasgow, C.2. 531,641.
- "GORTYN"; for perfumery, etc. (48). By R. G. Torrens, 85 Wimborne Road, Bournemouth. 532,394.
- "GLISEITA"; for all goods (48). By T. Uttley, 119 Eastbourne Road, Southport. 532,530.

Births

Notices for insertion in this column must be properly authenticated.

SAVAGE.—On July 21, Dorothy, wife of George R. Savage, chemist and druggist, Penn Hill Avenue, Parkstone, of a son.

Marriages

ANDERSON—DAVIES.—At the West Derby Register Office, Liverpool, on July 21, Victor William Anderson, chemist and druggist, Fairfield, to Phyllis D. Davies, chemist and druggist.

HILL—CARTER.—At Kenton Presbyterian Church, Kenton, Middlesex, on July 9, by the Rev. R. R. Grant Sutherland, M.A., William Alexander Hill, Ph.C.N.I., younger son of Mr. John G. Hill, Bayview House, Londonderry, Northern Ireland, to Ada Matilda, only daughter of Mr. I. Graham Carter, 66 Northwick Avenue, Harrow, Middlesex.

HUTTON—GIBB.—At St. Cuthbert's Parish Church, Edinburgh, on July 23, W. Hutton, M.A., LL.B., son of Mr. John Hutton, chemist and druggist, Brechin, to Marjorie, daughter of J. P. Gibb, director, Raimes, Clark & Co., Ltd., Edinburgh.

ROE—EDWARDS.—At the pharmacy, 13 Shaftesbury Square, Belfast, by special licence, on July 13, John G. Roe to Dorothy, daughter of Mr. R. I. Edwards, vice-president of the Pharmaceutical Society of Northern Ireland.

WALKER—WATSON.—At Crawfordjohn Farm, recently, by the Rev. W. MacGregor, Fred Walker, chemist and druggist, Castle Douglas, to Harriet Watson.

Deaths

CREED.—At Jervis Street Hospital, Dublin, on July 18, Mr. Richard George Creed, R.D., for a long period with J. & G. Boyd, Ltd., wholesale and retail chemists, Limerick. Mr. Creed passed the Registered Druggist examination in 1904.

HILLS.—At Westbury, Ryde, Isle of Wight, on July 25, Mr. Walter Hills, Ph.C., F.C.S., a past-president of the Pharmaceutical Society of Great Britain, aged eighty-four. Mr. Hills was the nephew of the late Thomas Hyde Hills, who from 1859 to 1891 owned the historic business of John Bell & Co., 225 Oxford Street, London, W.1, founded in 1798. He served his apprenticeship with Gibbs & Gurnell, Ryde, and after enlarging his experience in Paris and Berlin, entered his uncle's pharmacy in 1870; he had qual-



MR. WALTER HILLS, PH.C.

fied as a pharmaceutical chemist earlier in that year. Mr. T. H. Hills was president of the Pharmaceutical Society in 1873-76; Mr. Walter Hills was elected to the Council in 1880, and in 1896 he followed the late Michael Carteige as president, filling that office for

three years. From 1903 till his retirement in 1910 he was treasurer of the Society. Mr. Hills became a partner in the firm of John Bell & Co. in 1891, and was subsequently the sole proprietor; in 1908 the wholesale and retail departments were reorganised into separate businesses, and a limited company was formed in each case. Mr. Hills spent the last years of his life in the Isle of Wight. In 1927 he wrote for THE CHEMIST AND DRUGGIST a New Year's message full of sympathy and encouragement for those beginning their careers in pharmacy, a message also read with great interest by many of the older generation who remembered his association with many phases of pharmacy. Mr. Hills is survived by a widow and a son, Mr. J. S. Hills, F.I.C., Ph.C., managing director of John Bell, Hills & Lucas, Ltd., manufacturing chemists, Tower Bridge Road, London, S.E.1.

MASON.—At his residence, Meadow Croft, Westoe Village, South Shields, on July 27, Mr. Thomas Henry Mason, founder and managing director of Mason & Co., Ltd., chemists, 80 King Street, South Shields, and branches, aged seventy-five. The jubilee of the establishment of the business was celebrated last year. Mr. Mason is survived by a widow, two sons and a daughter. His sons are directors of Mason & Co., Ltd.

WHITE.—In the Cameron Hospital, West Hartlepool, on July 20, following a motor-cycle accident, Mr. Edmund Charles While, chemist and druggist, 113 Lynn Street, West Hartlepool. Mr. While qualified in 1920.

Personalities

MR. F. W. HUMPHRIES. secretary of Parfumeries de Paris, Ltd., Acton, London, W.3, has been appointed a member of the Post and Telegraph Committee of the London Chamber of Commerce.

MR. ALEXANDER MAXWELL. C.B., Chairman of the Prison Commissioners, has been promoted to be Deputy Under Secretary of State for the Home Department, as from November 1, in place of Sir Malcolm Delevigne, K.C.B., K.C.V.O., who will be retiring on that date.

MR. MAURICE MENZIES. the English representative for Pinaud's perfumery, who was president of the St. Vincent Association in 1929, has been made a Chevalier of the Legion d'Honneur. He rendered good service in the war, was promoted lieutenant for gallantry in the field, and was awarded the Croix de Guerre and the British Military Cross.

MR. W. R. BRACKENBURY. chemist and druggist, Middlesbrough, who has recently been on a visit to Canada and the United States, was entertained to lunch at the Royal York Hotel, Toronto, by the Ontario Retail Druggists' Association, the members of which he addressed on the working of the National Health Insurance Acts in this country.

THE NAMES of Mr. G. A. Mallinson, secretary of the National Pharmaceutical Union, and Mr. H. E. Chapman, general secretary of the Proprietary Articles Trade Association, who were appointed members of the Local Executive of the British Pharmaceutical Conference, 1933, on July 20, were inadvertently omitted from the report forwarded to us of the meeting at which the election of the Executive took place.

MR. WALTER M. BINGHAM. chemist and druggist (W. A. Bingham & Son), Bournemouth, was about to close the pharmacy, on July 20, when he received a telephone call from a leading London newspaper asking whether he could obtain pictures for them of the results of a local accident. Chartering a car he hastened to the scene, obtained the photographs, and proceeded to meet the aeroplane which had been sent from London to collect them. The photographs were the first to reach the office, and the paper was able to publish three on the front page of the next morning's issue.

Telegrams: "Atolene Sedist, London." TRADE MARK ESTABLISHED 1798 LTD.

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Our COLLOIDAL SUNBURN LOTION
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Applications invited for sample and terms for what is claimed to be

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(This Company is not connected with any other House) (23½% on selling price)

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

T/267. Berwood's eau de Cologne soaps	L/257. Mar Salome
J/257. C. Gordon's Virde-rectol	S/267. Onduleau
E/267. Dyneen	B/257. Parfum de La Lique
E/277. Elixir Colloidal Saniol	Notre Peche
M/257. Eurasil	E/277. Penny's Cooker
B/287. Healo bandages	P/257. Present address of makers of Sans Gene
B/257. Jerome's Lemorinse soap	B/257. Sayro reducing salts

"The Chemist and Druggist" COMPACT LIBRARY

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The tenth edition of this, the most complete pharmaceutical formula in the English language, comprises (1) selected formulas from the British, United States, and several other pharmacopoeias; (2) unofficial formulas from hospital pharmacopoeias and other sources, British, colonial and foreign; (3) known, admitted and approved remedies (218 pages) taken from previous editions of "Pharmaceutical Formulas" and from THE CHEMIST AND DRUGGIST Diaries; (4) concise descriptions of practical methods of manufacture, adapted to the retail shop; (5) an Appendix comprising laws and regulations governing the sale of poisons, the hours of closing, medicine-stamp duty, the use of spirits and many other data *e.g.*, a solubility table and chart. The volume contains 1146 pages. Price 15s., by post 15s. 9d.

THE ART OF DISPENSING.

The tenth edition of this well-known work is now ready. The book has been thoroughly revised and considerably improved, while maintaining the features which have made it so popular with several generations of students. It is kept by chemists in the dispensary for ready reference in cases of difficulties arising in the course of the day's work. Price 8s., by post 8s. 6d.

VETERINARY COUNTER PRACTICE.

Chemists interested in veterinary practice will find it indispensable, as it deals with the ailments of horses, cattle, sheep, pigs, dogs, and poultry, and the remedies that can be supplied. New edition 1930 (Eighth) brings this book thoroughly up to date. Price 7s. 6d. net, by post 8s.

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This is a concise guide to chemists commencing and carrying on a photographic department. The book is a reprint of the treatise in THE CHEMIST AND DRUGGIST DIARY, 1926, with additional chapters and formulas. Price 3s. 6d., by post 3s. 8d.

The "C. & D." PRICE LIST FORMULARY, "P.L.F."

All users of the C. & D. Retail and Dispensing Price List require a copy of this Formulary. It brings together the formulas for unofficial preparations, the prices of which are quoted in the Price List. It is a choice collection of good formulas for articles in every day request by the public. Price 2s. 6d., post free.

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Chemists and druggists need to know something about diseases and their treatment, and this book fills the gap between books of domestic medicine and standard works for medical practitioners. (5th Edition.) Contains 264 pages. Price 5s. net, by post 5s. 3d.

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THE CHEMISTS' DICTIONARY OF MEDICAL TERMS AND TREATMENT.

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THE
CHEMIST AND DRUGGIST

VOL. CXVII JULY 30, 1932 NO. 2738

The British Pharmacopœia : A New Phase

THE dissatisfaction of manufacturers and chemists with one detail in the publication of the British Pharmacopœia has been freely, and rightly, expressed. It is one of those things which might have been avoided by agreement, even if the wording of a certain clause in an Act of Parliament could not have been amended. Even now it is not impossible to avoid some of the confusion on October 1, as some time will be needed to distribute the volume to those who have placed advance orders, while prescribers are not likely to see it for a month or so. If the General Medical Council recommended, or the official announcement directed, that November 1 might be regarded as the date on which all standards should be enforced, this would enable information of the changes to be studied by the manufacturer, the prescriber and the dispenser. Practically, it will amount to this in the end, as it will be incumbent on every pharmacist, where vital alterations have been made, to make sure that prescribers are fully aware of such changes.

A Great Advance

These discussions on methods of publication and procedure, however, need not obscure in our minds the great advance made in the compilation of the British Pharmacopœia. Those who have been able to examine the new volume unhesitatingly praise the work which has been done. It seems almost incredible that for nearly ten years all the organised research for purely pharmacopœial revision came from every other country than Great Britain. In 1925 and 1926 we published our research upon the pharmacopœias of every country in the world. At the meeting of the British Pharmaceutical Conference in Leicester in 1926 Mr. Herbert Skinner, at that time vice-president of the Pharmaceutical Society, emphasised in his paper read at the delegates' meeting the total lack of any organised effort for producing a British Pharmacopœia and for continuing the research when such a volume had been produced. Mr. Skinner cited in contrast the continuous work between one pharmacopœial revision and another in the United States of America. The position in Great Britain was chaotic; pharmacologists and pharmacists alike were taboo in the necessary revision. The British Pharmacopœia was little more than a glorified house pharmacopœia of any teaching hospital. The Committee of Civil Research which reported in 1928 introduced a new spirit; and as the General Medical Council adopted that report and acted upon it, physicians, pharmacologists, pharmacists and manufacturers co-operated freely for the first time in producing a

British Pharmacopœia. The Selection Committee appointed by the Council to nominate a Pharmacopœia Commission consisted of Sir Donald MacAlister (chairman), Sir Farquhar Buzzard, Sir Humphrey Rolleston and Mr. Leathes (representing the General Medical Council); Sir Walter Fletcher and Dr. Dale (Medical Research Council); and Messrs. Skinner, White and Neathercoat from the joint Pharmaceutical Societies. This, to say the least, was a recognition of pharmacy. The Commission for the preparation of the new Pharmacopœia comprised Dr. Beddard (chairman), with Drs. Fraser, Gunn and Burn representing particular phases of medicine; Professor Greenish (pharmacognosy), Mr. R. R. Bennett (pharmacy), and Mr. Tickle (chemistry), all pharmaceutical chemists; and Mr. C. H. Hampshire, M.B., B.Sc., F.I.C., Ph.C., was selected as the secretary. The Commission worked through subcommittees; and as about fifty members of these subcommittees are pharmaceutical chemists, or chemists and druggists, it may be said for the first time that pharmacists have played an important part in co-operating directly in the compilation of the British Pharmacopœia. Moreover, hospitality was given in the Codex laboratory of the Pharmaceutical Society to the Commission's research worker, Miss Smelt—another pharmaceutical chemist—and material from the British Pharmaceutical Codex was freely placed at the disposal of the Commission, and has been freely used. We understand that reciprocity has been equally accorded to the Codex revision committee by the Commission. Does the new British Pharmacopœia justify this outlay of thought and original work? Almost everything had to be created; the book had to be practically rewritten, and the work done against time. No one can examine the new volume without being satisfied the work has been carried out remarkably well, and that at last a British Pharmacopœia has been produced which worthily takes its place among the pharmacopœias of the world. Pharmacists should be proud of the important contributions made by their representatives.

The Status of a Pharmacopœia

It has been truly said that a pharmacopœia largely conditions the practice of pharmacy in any country. An inferior pharmacopœia means a lowly position. A comprehensive pharmacopœia, setting forth medicaments for true therapeutic progress, raises the pharmacist to the position of a colleague with the physician. The new Pharmacopœia, as our weekly reviews have shown, covers the whole range of anaesthetic, diagnostic and therapeutic substances that have stood the test of time. The pharmacologists fully demonstrate in the new volume, and especially in the appendices, the importance of their work, and justify their claims to recognition. The technical chemists, many of whom are pharmacists, have put the chemical monographs on a plane never before seen in a British Pharmacopœia, while in pharmacy and pharmacognosy, the contribution of the pharmacists, the more recent work is clearly

shown. In the production of a pharmacopœia it is for the physician to indicate the things he desires in treatment of disease, and it is for the technicians—pharmacologists, chemists and pharmacists—to present the medicaments desired in the highest form of purity and potency; without this co-operation pharmacopœias must fail. The true test is to come. At first sight it will be evident that this 1932 Pharmacopœia is the greatest advance made in Great Britain in this kind of work; flaws may be detected later, when thousands of minds are focused on details. It may be that the man in retail business will voice a complaint over one matter, as in the case of the 1914 volume—that it is largely conceived on lines that cannot be of much value in preparing medicaments in the pharmacy. To a certain extent every pharmacopœia is exposed to the objection that it is a wholesaler's pharmacopœia, as economic conditions do not favour small-scale manufacture. Again, it may be said that pharmacy as practised in hospitals has received undue prominence; but in this case, unless a pharmacopœia is truly representative of all the physician's requirements, it fails to satisfy. It was in this respect that the previous Pharmacopœias were lacking; they provided certain drugs and galenicals, and left it for manufacturers to make good the deficiency. To leave out the essentials of modern treatment is to make it necessary to look elsewhere; and in doing so there are no presumptive standards to recognise. The 1932 British Pharmacopœia has obviated this error in compilation. There is often an indirect relation between two substances which suggests the production of a third likely to possess increased therapeutic potency. It is in ways such as this that the new Pharmacopœia will serve as a guide in pharmaceutical progress. The necessity for further experimental work should not be overlooked. Revisions of one pharmacopœia can never take the place of continuous revision work. Improvements in medication cannot be confined to a specific volume, nor do they ever come to a full stop. Even in this new book there are one or two things that already appear to be a little near the condition of being out of date, rendering it desirable to provide for the work to be continued in annual reports or something of that nature. What provision is made for this we do not know; but it seems not unreasonable to expect that the organisation brought into being shall be continued, and also extended, in every way that experience may show to be desirable. Each succeeding year reviews of the progress made might be published, so that when the time for a new Pharmacopœia comes the labour will be simplified from the accumulated data of the preceding years.

THE Jaffa and District Chamber of Commerce has decided that the name of the Chamber shall in future be "Chamber of Commerce Tel-aviv and Jaffa."

HINTS ON DECORATION.—A brochure entitled "Exterior and Interior Decoration" has been published at 2s. by Blandford Press, Ltd., 43 Blandford Street, London, W.1. The booklet comprises forty pages, and the practical treatment of the subject is illustrated with numerous examples of successful decoration.

Chain-Shop Statistics

EVERY year sees retail distribution becoming more and more rationalised. The word is here used to denote large-scale operations by multiple-shop firms that buy direct from manufacturers or manufacture for themselves, spread out "overheads" over many branches, exploit national advertising and standard shop fronts that are immediately recognised by the traveller in a strange town, give motor-van deliveries over a wide area and many kinds of free service that are outside the scope of the one-man concern. A survey has recently been made by a research bureau into the present position of multiple-shop companies; this provides some interesting figures for the manufacturer who sees his retail outlets being diverted into fewer though broader channels, and to the small retailer who sees big business advancing down every High Street in the country with the money to buy the best shop sites. Multiple-shop branches are now to be found in every town of 20,000 inhabitants; some have even penetrated to the smaller towns. Some of the chains cover the whole of the country and have hundreds or thousands of branches; others are local to one area with from six to a few dozen.

The survey shows that there are over 700 chain companies operating a total of 31,000 units. This omits the co-operative societies, which have 10,000 shops and form the biggest multiple organisation in the country. It also omits the departmental stores, many of which have subsidiary or allied companies operating separate stores. The field most exploited by the multiple-shop system of trading is groceries, having eighty chains with 6,960 units; then comes footwear with fifty-nine chains and 4,376 shops; thirty-two butchers with 2,371 branches; fifteen tobacconists with 1,674 branches; fifteen chemists with 1,640 shops; and fifteen opticians with 232 branches.

Multiple-shop organisation has entered every other field of retail trade; and although there is no sign of any new chains finding an opening, there is continual reshuffling as one chain absorbs another, and all of them are spreading from the cities to the small towns, and are covering the countryside with motor delivery. It has been computed that there is one shop for every seventy-seven people in the country (in Birmingham the figure is one for fifty-one and in Liverpool one for thirty-nine); but this does not mean that each shop has only an average of seventy-seven customers, for each family unit is a customer at, perhaps, ten shops. Nevertheless, it can be seen from these figures and the vast turnover attained by the big firms that many small shops can earn but a meagre living for their owners. Indeed, there are too many profitless shops that are a burden to their wholesale suppliers, and it has been estimated that in certain retail lines only from 5 to 30 per cent. of the independent shops survive for ten years. In one town, of 201 retailers who gave up business in twenty-two years, at least 75 per cent. lost part or all of their capital.

If there are 637,000 shops in the country, and the "multiples" have 31,000, the "co-ops." 10,000 and the department stores a few hundreds (although each one of their shops may be equal to many small concerns), it can be seen that the "independents" are still vastly in the majority, and they probably do, in the aggregate, a larger trade than the aggregate of their big competitors. This has been definitely found true in the United States. It can easily be seen from this that the trend of modern retailing is towards big business. The race will be to the strong, and many small retailers are doomed to failure. This does not mean that every small retailer will become extinct. The independent retailer who functions intelligently as purchasing agent for his community has a distinct opportunity to render a real social service. Big business has no copyright in profitable methods, and mere bulk is not necessarily synonymous with efficiency.—W. G. F. (15/3).

The British Pharmacopœia, 1932

A third instalment of the review of the contents of the new British Pharmacopœia, commenced in our issue of July 16 (p. 67) and continued in the following issue (p. 90), gives notes on some of the new drugs and chemicals.

CHLORBUTOL, $C_4H_9OCl_3$, trichlor tertiary butyl alcohol, was first introduced into medical practice under the trade name chlorethane. It is slightly anaesthetic, has antiseptic properties, and is mildly hypnotic.

DEXTROSUM, $C_6H_{12}O_6$, is the adopted official name for glucose used medicinally. Powdered glucose, which is used orally, contains about 8 per cent. of moisture against a maximum of 2.5 allowed in dextrosum. The U.S.P. X admits a glucose powder (d-glucose) suitable for oral administration on the lines already indicated; and at first it seemed a pity that the B.P. was not brought into line, as that is a useful method of advance in glucose medication. It may be found, however, that owing to the improvement in the manufacture of dextrosum the B.P. Commission acted wisely in confining itself to one form. The tests for identity and purity are exacting and the method of sterilisation for injection is indicated, though the word "intravenous" is not interpolated in the instructions. It is obvious that such is intended, as for certain injection purposes such rigid stringency is obviously unnecessary.

EMETINÆ HYDROCHLORIDUM, $C_{20}H_{40}O_2N_2 \cdot 2HCl \cdot 7H_2O$, is the salt of the alkaloid from ipecacuanha root or is prepared by methylation of cepheline. The dose is 2-1 gr. It is given also hypodermically ($\frac{1}{6}-\frac{1}{2}$ gr.). The ampoule containers should answer the tests for freedom from alkali. Emetine hydrochloride is official in several pharmacopœias, and as it is regarded as a specific for amoeboid dysentery, it finds a fitting place in the Pharmacopœia of a widely scattered Empire.

EMETINÆ ET BISMUTHI IODIDUM is official recognition of a complex body containing emetine and bismuth iodide, and is required to contain 25-28 per cent. of emetine and 18-21 per cent. of bismuth. It is used for intestinal purposes, 1-3 gr. doses in capsules. It is additive treatment to emetine hydrochloride when given hypodermically, and is reputed to be more effective in freeing carriers from the disease.

EPHEDRINA HYDROCHLORIDUM.—A salt of ephedrine from various species of ephedra. The salt is the one mostly used in doses of $\frac{1}{4}-\frac{1}{2}$ gr., either in elixir, syrup or tablet form. Much work has been done on ephedrine, raising it to a position of importance as a medicament additive to adrenalin. It is used orally, and the action is more prolonged, and especially useful, in spasmodic asthma. Its formula is given as $C_6H_5 \cdot CH(OH) \cdot CH(NH \cdot CH_3) \cdot CH_3 \cdot HCl$.

ERGOTOXINÆ ETHANESULPHONAS is the result of the work and criticism turned upon ergot during the last few years. It is stated to contain approximately 83.6 per cent., and is usually given subcutaneously or intramuscularly in the dose of 0.0005-0.001 gm. A special subcommittee report was made on ergot (C. & D., 1931, II, 730), which served to clarify the situation. Ergotoxine, in the form of ethanesulphonate, it was suggested, should replace the hypodermic injection of the 1914 B.P.; the curious position is that some resurrection of faith in the old injection has occurred lately. In any case, the Commission acted on sound principles to give official sanction to ergotoxine for hypodermic injection.

ERYTHRITYLIS TETRANITRATIS DILUTUS is a dilute form of the old drug erythrol tetranitrate. It is mixed with equal parts of lactose; so if erythrityl tetranitrate is prescribed, the B.P. diluted salt represents only half the dose. The diluted form is a better and safer way to keep it. This drug has waited a long time for official recognition. The dose of the pure is $\frac{1}{2}-1$ gr., and of the dilute $\frac{1}{2}-2$ gr. It is slowly soluble in water, which affects its absorption, prolonging vaso-dilatation for a considerable time.

EUCALYPTOL, synonym cineole (of which it contains 97.5 per cent.), is probably recognised officially as being

preferable to eucalyptus oil, especially in sprays and internal medicaments.

EXTRACTUM CINCHONÆ is a basic extract of cinchona, with alkaloidal limits 9.5-10.5 per cent., and is used for the basis of other cinchona galenicals. It should be noted that the title "Cinchona Bark" is intended to include other barks as well as *succirubra*.

EXTRACTUM HEPATIS LIQUIDUM ET SICCUM.—We include these here, as they are only likely to be made by specialists in this type of work. The liquid is made up with 10 per cent. v/v 95-per-cent. alcohol and 20 per cent. v/v glycerin, and the final product represents 8 oz. of fresh liver in 1 fl. oz. Official recognition will serve to standardise these preparations, as physicians pass from one brand to another, and by so doing cause unnecessary multiplication of stocks. The methods of preparing the liquid and the dry extracts are the standard ones for preserving the material principles. The dry is preserved with sodium chloride, and is placed in hermetically sealed tubes.

EXTRACTUM MALTI AND EXTRACTUM MALTI CUM OLEO.—The remarks made about liver extract apply equally here. The nitrogen equivalent ex protein is not less than 4.5 per cent.

EXTRACTUM PITUITARII LIQUIDUM.—More work has been done on the pituitary gland than on any other gland in the body. In this case it comes under the provisions of the Therapeutic Substances Act, 1925, and is arranged by a biological process set out in the appendices to contain 10 units per mil. The preparation is made from the posterior lobes only of the pituitary bodies of oxen or other mammals. Precise directions are set out for alkalinity of the glass of containers and other conditions of storage; 0.5 per cent. w/v of phenol is allowed for the prevention of bacterial growth. The label is required (as by law) to state units per mil and date of manufacture; it should not be used later than eighteen months after that date; the reduction of potency is negligible if the pH limit has been maintained between 3 and 4.

FLUORESCINUM SOLUBLE, $C_{20}H_{10}O_5Na_2$, is the disodium salt of fluorescein prepared by the condensation of resorcinol and phthalic anhydride. Giving official recognition to this salt will stabilise it, as previously it was only quoted in the B.P.C. under "Resorcin" as a phthalide reaction. Fluorescein is used in eye drops for detecting corneal ulcerations in ophthalmic surgery. The greatest use of soluble fluorescein is in 1.5 per cent. solution with $\frac{1}{2}-1$ per cent. alkali (sodium bicarbonate) and $\frac{1}{2}$ per cent. glycerin in treating surfaces covering malignant growths preliminary to passing through x-rays. No dose is given in the B.P., but maximal doses in capsules of 1 gram are given in certain cases of malignancy.

HYDRARGYRI OXYCYANIDUM, $HgO_3Hg(CN)_2$, obtained by an interaction of mercuric oxide and excess of mercuric cyanide. It contains not more than 22 per cent. HgO , and not less than 77 and not more than 79 per cent. $Hg(CN)_2$, soluble in about eighteen parts of water. This salt is largely used in urethral work from 1 in 1,000 to 1 in 5,000. Doses are given for intramuscular injection, 0.005 to 0.01 gm., but it is very painful unless injected deeply; it is also given intravenously in doses of 0.01 gm.

ICHTHAMMOL, synonym ammonium ichthosulphonate.—This is from the B.P.C., but the synonym becomes the standard name. The preparation in the B.P.C. was known as ichthamol (i.e., one "m" less). It is stated to contain not less than 10.5 per cent. w/w of combined sulphur. The assay processes control the organically combined sulphur as well as that present

in the form of sulphates, which should not be present to the extent of more than one-fourth of the total sulphur. The dose is 5 to 10 gr.

INDICARMINUM is the coined name for indigo carmine. The synonym is sodium indigotindisulphonate, $C_{16}H_8O_8N_2S_2Na_2$, of which it should contain not less than 90 per cent. It is prepared by the action of sulphuric acid on indigotin and neutralising the purified acid produced with sodium carbonate. It is one of the diagnostic chemicals officially recognised, and is used as a renal efficiency test and put up in ampoules of 10 c.c., strength 0.4 per cent. After intramuscular injection of the dye a cystoscopic examination of the ureters is made and the time elapsing between injection and the first appearance of the dye with that for complete excretion taken and compared. It thus becomes a "time" test of renal efficiency. The solutions in the ampoules should not show a precipitate or signs of gelatinising. The B.P. doses intramuscularly are $\frac{3}{4}$ - $1\frac{1}{2}$ gr.; intravenously $\frac{1}{8}$ - $\frac{1}{4}$ gr.

INSULINUM becomes official, and the method of preparation is given for the drug, which comes under the Therapeutic Substances Act. The remarks on storage under Extractum Pituitarii Liquidum also apply here. Insulin in tablet form is also official, and is made by mixing the dry powder with a neutral base like lactose and compressing. The tablets should be sterile and packed in sterile containers. A note is added that when insulin is ordered the liquid shall be dispensed unless the tablets are specified.

LÆVULOSUM, synonym Fructose.—Invert sugar from honey. It is used at times as a sweetening agent in diabetic cookery, but probably official recognition is given on account of its diagnostic character in the liver efficiency test. The original dextrose tolerance test in cases of slight glycosuria, often seen in those who have disease of the liver, has fallen largely into disuse, and in place of the dextrose 50 gm. of lævulose is given, as normally the blood sugar does not rise significantly; it is called the lævulose tolerance test.

IODOPHTHALEINUM is the official name for the disodium salt of tetraiodophenolphthalein. The formula is $C_{20}H_8O_4I_4Na_2\cdot 3H_2O$. It is prepared by the iodination of phenolphthalein, and contains not less than 85 per cent. of phthalein, which should show from 61 to 62 per cent. of iodine. It is another of the official diagnostic chemicals. Iodine compounds of this nature do not pass x-rays, and the visible shadow enables the radiologist to diagnose any damage to the particular part affected. Iodophthalein is used for examining the gall bladder in cholecystography. An intravenous injection of a solution of this substance is excreted in the bile, and at the same time a skiagram will show a definite shadow. Capsules, suitably hardened to pass through an acid medium yet dissolve in an alkaline, are used and with precise directions for taking prior to the x-ray examination. The real difficulty in oral administration is the solubility of the capsule. The dose per kilo of body weight is 0.04-0.06 up to 5 gm., or by intravenous injection up to 3 gm. There are several coined names for this substance on the market.

(To be continued.)

Solvents and Cleaning Materials

(Concluded from the C. & D., July 9, p. 31.)

Miscellaneous Solvents

The only important one which cannot be classified in the foregoing groups is carbon disulphide. This compound is extremely volatile (B.P. 115° F.), and is exceedingly inflammable. Its vapour is highly poisonous in very minute quantities if inhaled for any length of time, and unless absolutely chemically pure it has a most objectionable smell. Its use is consequently restricted to technical operations where no other substance is suitable. It is probably the best known solvent for sulphur. Apart from the advantages and disadvantages of particular solvents as a means of removing undesirable substances, the possibility of damage to the fabrics treated must not be forgotten. The natural fibres derived from the animal kingdom, such as silk and wool, as well as the vegetable or cellulose fibres are unattacked by any organic solvent, at any rate at ordinary or moderately warm temperatures. The same may be said of the artificially prepared cellulose fibres, namely, the artificial silk or rayon made by the viscose process, or by the reduction of nitro-cellulose. Acetate silk, of which celanese is a typical example, is a very different proposition. It is dissolved by acetone, ethyl acetate, the chlorinated hydrocarbons, and by mixtures of alcohol and ether, and, therefore, these must not be brought into contact with fabrics made of this material. It must also be remembered that commercial solvents contain variable amounts of impurities, which may seriously alter their capabilities. It is desirable when handling acetate silk to test a small portion with the solvent it is proposed to use before risking damage to the whole.

Waterproofed fabrics must also be treated with great care, as indiarubber is attacked by many of the solvents. Alcohol, acetone and ethyl acetate are fairly safe, but when the proofing medium is an unknown one trials must be carried out on a small portion first of all. Instead of indiarubber, other means of waterproofing fabrics commonly employed are cellulose nitrate and acetate, which are applied in the form of a solution in acetone or some other organic solvent, consequently, a

solvent which will attack these compounds must not be used for cleaning purposes. Another method often employed is to impregnate the fibres with an insoluble aluminium salt, such as the palmitate or stearate. This is accomplished by soaking in a soap solution, wringing out and precipitating the insoluble salt *in situ* by immersing in a solution of alum. The material is then rinsed in water and dried. The process of dry cleaning depends on the dissolving out of greasy materials by means of non-aqueous solvent, so that the adherent dirt has no longer anything to make it adhere to the fabric, and can be removed mechanically by rubbing and rinsing with clean solvent.

Cleaning and Polishing

The number of preparations which have been suggested for cleaning and polishing purposes is enormous. Many only differ in the colouring matter or perfume used. These compositions can be roughly divided into three classes. Firstly, those with a solvent or chemical basis for removing surface films of tarnish or dirt, combined with a fine abrasive to aid mechanically such removal and to polish the surface thus cleaned. Secondly, those with the cleansing ingredients similar to the first group, together with a wax, or the like to impart a protective film to the article treated. The third class consists of compositions which merely coat and mask the discoloured goods. An example of the last type is the use of whiting or pipeclay for cleaning canvas. The successful manufacture of compositions of the first two classes, which include what may be termed all the legitimate cleaning and polishing materials, depends largely on the intimate grinding and blending of the ingredients, in fact, almost as much as on the nature of the ingredients themselves. In the recipes which follow, an attempt has been made to choose such as can be prepared on a small scale without elaborate machinery.

Removing Stains

Such a process will be of little or no avail in dealing with stains. For these a chemical treatment is neces-

sary, and their successful elimination depends, firstly, on knowing the cause of the stain so that a suitable reagent may be applied, and, secondly, on applying the remedy as soon as possible after the accident, so that the discolouring substance does not get time to be intimately combined with and dried into the fabric. In the case of old stains it is often impossible to remove them completely without damage to the affected material, especially if it is a coloured one. The following table should prove a useful guide for the treatment of stains, which are commonly met with:

<i>Stain</i>	<i>Method of treatment</i>
Paint, varnish or enamel	A suitable solvent as already described to remove organic portion, followed (after drying) by washing with soap. Or Westrosol, which is a special soap emulsified with one of the chlorinated hydrocarbons.
Tar or pitch	Benzin or benzol. The finely divided carbon is difficult to remove, and is unattacked by solvents. Westrosol soap is probably the best material to use.
Sugar, syrup or glue	Hot water, followed by soap.
Blood	Water, followed by a solution of soap in methylated spirit.
Fruit, tea, coffee, wine or beer	Water, followed by potassium permanganate, and the brown stain removed by sulphur dioxide. Coloured goods may not stand this treatment, and should be treated with spirit and soap or soap and ammonia.
Iodine	Ammonia in spirit or sodium hyposulphite ("hypo").
Ironmould	Either oxalic acid, sodium hydrosulphite (hydras) or cream of tartar and citric acid.
Writing ink	Oxalic or dilute mineral acids.
Copying or marking ink	Methylated spirit and ammonia. Westrosol soap.
Grass stains	Ether or spirit and soap.
Search marks	Potassium permanganate, followed by sulphur dioxide. Hydrogen peroxide
Perspiration	Hydrogen peroxide. Sodium perborate
Perfumes	Ammonia and oxalic acid alternately.

Metal Polishes

As these always contain an earthy abrasive ingredient care must be taken that it is well sifted and free from coarse grit which might scratch the surface to be cleaned. On rubbing the material between the finger tips it should feel smooth and free from hard particles.

Metal Polishing Pastes

I

Oxalic acid ..	..	..	..	..	4 c.z.
Soft soap ..	..	..	..	..	8 oz.
Olive oil ..	..	..	..	..	8 oz.
Turpentine ..	..	..	..	..	1 oz.
Rottenstone ..	..	..	..	..	4½ lb.
Boiling water ..	..	..	..	..	1 lb.

Dissolve the acid in the water, add the rottenstone and then the other materials. Stir well to form a smooth paste.

II

Paraffin wax ..	..	..	..	..	2 c.z.
Ferric oxide (well levigated) ..	..	..	..	..	8 c.z.
Lubricating oil ..	..	..	..	..	6 c.z.
Oleic acid ..	..	..	..	..	1 c.z.
Oil of mirbane ..	..	..	..	..	½ c.z.

Warm together to melt the wax and stir well.

III

Precipitated silica ..	..	..	..	..	8 c.z.
Kerosene ..	..	..	..	..	4 c.z.
Oleic acid ..	..	..	..	..	2 c.z.
Stearic acid ..	..	..	..	..	2 c.z.
Lard ..	..	..	..	..	1 c.z.
Talc powder ..	..	..	..	..	1 to 1½ c.z.

Melt together the oily ingredients and stir in the others until a smooth paste results. This mixture is especially recommended for aluminium.

Liquid Metal Polishes

I

Ferric oxide ..	..	..	..	..	4 oz.
Oleic acid ..	..	..	..	..	14 oz.
White petroleum ..	..	..	..	..	3 oz.
Oil of mirbane ..	..	..	..	..	12 drops

Mix well together.

II

Kieselguhr ..	..	..	..	..	2 oz.
White petroleum ..	..	..	..	..	16 oz.
Oil of mirbane ..	..	..	..	..	12 drops

Mix well together.

Polishing Paste for Glass

Whiting ..	..	..	..	..	14 oz.
Olive oil ..	..	..	..	..	7 oz.
Liquid ammonia ..	..	..	..	..	7 oz.
Water ..	..	..	..	..	8 oz.

Make a paste of the oil and whiting, then add the ammonia and stir well. Finally add the water and mix thoroughly together. This polish is said to prevent steaming of the glass.

Furniture and Leather Polishes

I

Beeswax ..	..	..	..	..	13 oz.
Castile soap ..	..	..	..	..	2 oz.
Potassium carbonate ..	..	..	..	..	3 oz.
Turpentine ..	..	..	..	..	2 quarts
Water (distilled) ..	..	..	..	..	2½ oz.
Oil of cassia ..	..	..	..	..	1 oz.

Melt the wax and slowly pour in the soap dissolved in two quarts of boiling water, boil gently together. Add the turpentine, then the potash dissolved in the rest of the water, and the oil of cassia, stirring well all the time. Allow to cool and stir well again before bottling.

II

Beeswax ..	..	..	..	..	20 oz.
Japan wax ..	..	..	..	..	20 oz.
Curd soap ..	..	..	..	..	5 oz.
Potassium carbonate ..	..	..	..	..	1 oz.
Water ..	..	..	..	..	3½ pints

Melt the waxes and dissolve the other ingredients in the boiling water. Add the solution to the melted wax and stir well until a uniform mixture has been obtained.

Black Cream for Leather

Carnauba wax ..	..	..	..	..	20 oz.
Japan wax ..	..	..	..	..	10 oz.
Stearin ..	..	..	..	..	2 oz.
Oil of mirbane ..	..	..	..	..	2 oz.
Nigrosine ..	..	..	..	..	2 oz.
Oil of turpentine ..	..	..	..	..	30 oz.
Carbonate of potash ..	..	..	..	..	3 oz.
Curd soap ..	..	..	..	..	8 oz.
Water ..	..	..	..	..	3½ pints

Melt the waxes and add the mirbane, turpentine and nigrosine while hot. Dissolve the soda and soap in the boiling water, add to the wax mixture and stir until thoroughly uniform.

Tan Cream for Leather

The preceding recipe may be used, substituting bismarck brown for the nigrosine. In this case the dye is dissolved in the water, and the amount must be adjusted to obtain the required tone.

White Cleaner for Buckskin, etc.

Pipeclay ..	..	..	..	..	16 oz.
Whiting ..	..	..	..	..	16 oz.
Gum tragacanth ..	..	..	..	..	¼ oz.
Boric acid ..	..	..	..	..	1 oz.
Oil of lemon ..	..	..	..	..	30 drops
Carbolic acid ..	..	..	..	..	30 drops

Mix well together and add water to make a cream. The yellowish tinge may be corrected by adding a little "blue."

PHARMACY LAW IN VICTORIA.—The second edition of the "Official Handbook for Pharmacists," issued by the authority of the Pharmacy Board of Victoria, and compiled by Mr. C. L. Butchers, registrar of the Board, has been issued in Melbourne (pp. 243, 5s.). This is a useful synopsis of the laws relating to the practice of pharmacy in the State.

July 30, 1932

English Herb Crop Reports

Joseph Seymour's, Boston Road, Holbeach, Lincs., report:—During the past week we have had very satisfactory rains, and there is likely to be bumper crops of PEPPERMINT, DILL, LAVENDER, and POPPY HEADS. Sunshine is now wanted to bring out the quality of the crops.

John Jackson & Co. (Mitcham Road), Ltd., West Croydon, report:—PEPPERMINT: The plants wintered very badly and the continued and cold rains and winds of the spring delayed planting out. Crops will therefore be late, but, given some good, heavy showers, we anticipate an average yield.

W. J. Bush & Co., Ltd., report: We have made a survey around Mitcham and near districts and have had conversations with several of the growers of peppermint and lavender. PEPPERMINT: There is no doubt whatever that the crops are poor this year, due to the long winter and the floods. Many of the runners have rotted in the ground and the fields are thin. There are probably about 50 to 60 acres under peppermint, and it is generally considered that the yield of oil will be about 16 lb. to the acre. With respect to the LAVENDER, there is very little now grown in Surrey, and the bloom at the present moment is very thin. CHAMOMILE: The plants look pretty well, but buds are scarce and there is very little bloom at present.

Stafford Allen & Sons, Ltd., report:—ACONITE is an average crop. BELLADONNA: This is a fair crop. The plantation has stood the winter well, but the recent dry weather has checked growth. DIGITALIS is healthy but is wanting rain. HENBANE: The cold weather in the spring, coupled with the lack of rain, has caused this to be only a half-normal crop. CHAMOMILE: This is very badly in need of rain and there will be a poor yield unless we get some soon. LAVENDER is looking very well, but, of course, both quality and yield will depend upon weather later on. PEPPERMINT: This is healthy, but is making no growth owing to lack of rain. PYRETHRUM: The plants are healthy but the crop will be somewhat light. VALERIAN is not making much growth owing to the dry weather.

William Ransom & Son, Ltd., Hitchin, report:—Heavy rainfall during July and August of last year caused root rot among some of the crops grown on part of our farms. BELLADONNA is an excellent crop. The leaves collected are of exceptionally good quality. CHAMOMILE: The weather conditions have been ideal. The crop should be above the average. DIGITALIS is an average crop but requires rain. HENBANE, first year, is somewhat irregular in growth. It is rather backward and requires rain. HENBANE, second year, was a poor crop. LAVENDER, although slightly damaged by late frosts, should be an average crop. Weather conditions during July determine the yield of oil. We have reduced our acreage of this crop. PEPPERMINT: Conditions have been favourable for this crop, particularly this year's plantations, which are making rapid growth. ROSEMARY was damaged by late frosts. ACONITE, SQUIRTING CUCUMBER, VALERIAN and other crops of less importance show normal development.

Potter & Clarke, Ltd., report:—Despite the cold spring and late frosts this year the hardy British herbs are well up to the average and good crops are expected of ACONITE, BALM, BORAGE, DIGITALIS, COMFREY, MARSHMALLOW, RUE, TANSY and VALERIAN. PEPPERMINT seems to be coming on nicely, but all depends upon the weather. The semi-tropical or more delicate plants have done badly with us this year. HENBANE has practically disappeared, in company with BELLADONNA. LACTICA VIROSA crop, about half of last year, but supply will equal the demand. We were doubtful of last year's STRAMONIUM SEEDS, so imported a fresh supply from Hungary, but the crop is very thin. Weeds have been more than troublesome this year, especially dandelions, so that a bumper crop of the dandelion roots may be expected after the first autumn frosts. CULINARY HERBS: Sage and mint are very promising, but parsley not so good. Marjoram and thyme are unremunerative and their cultivation is declining. This year we have had an unusual quantity of garlic mustard (*Alliaria officinalis*). This plant has a strong garlic-like smell, with the taste of mustard, and was used by our Saxon forefathers to flavour their broth when ordinary condiments were unknown. In the West Riding of Yorkshire it is called Jack by the Hedge, or Jill in the Hedge, and enjoys a reputation for the cure of toothache and neuralgia. Elder flowers: A wonderful year. We have never known a better crop.

Perks & Llewellyn, Hitchin, report:—LAVENDER: The condition of the lavender under cultivation this year is very satisfactory. The plants are beginning to show colour, and there is every prospect of a successful harvest. We anticipate good results both in quality and quantity of the oil obtained and also in the perfume of the dried flowers. It is gratifying to us that visitors to our fields continually express satisfaction at our results, since we understand that little lavender is now being cultivated.

Commercial Notes

Italian Citrate of Lime

THE position of the Italian citrate of lime industry is indicated from the official figures just published, showing the quantities that have been deposited with the Camera Agrumaria since the season commenced on December 1, 1931. The deposits from December 1, 1929, to May 31, 1930, totalled 8,460,000 kilos; from December 1, 1930, to May 31, 1931, 4,375,000 kilos, and from December 1, 1931, to May 31, 1932, 1,336,000 kilos. The stocks on November 30, 1931, were 7,327,000 kilos, which, with the deposits of this year amounting to 1,336,000 kilos, gives a total of 8,663,000 kilos. Deliveries from December 1, 1931, to May 31, 1932, were 228,000 kilos, leaving current stocks at 8,435,000 kilos.

Russian Mercury

IT is reported that actual production of mercury from the deposits at Nikitowka, in the Ukraine, is at the rate of 150 tons a year, or about 3 per cent. of total world output of mercury. This material is being used entirely to supply the needs of the home market. The deposits in Central Asia, the discovery of which was reported some two years ago, have apparently turned out to be even richer than was anticipated, and it has also been since discovered that they were worked in the eighth and ninth centuries by the Chinese. The ore deposits in the neighbourhood of Fergana are estimated to contain over 8,000 tons of easily obtainable metal, whilst those in the district of Chaidarkan to contain over 16,000 tons of mercury metal. Active steps are being taken to erect ore treatment and purification plants, and it is believed that the mercury obtained from these Central Asiatic deposits will be offered on the export markets.

South African Orange Oil

CITRUS fruit cultivation in South Africa has shown remarkable expansion during the last ten years. The increased production, particularly of oranges, and the demand in overseas markets for only high quality graded fruit has directed the attention of South African growers to the necessity for profitably utilising non-exportable portions of the crop. Experiments in the production of sweet orange oil conducted since 1929 tended to demonstrate the favourable prospects of commercial distillation activity. The large orange crop and surplus fruit in 1930, amounting to nearly 30,000 tons of fruit in the Transvaal alone, prompted definite efforts to establish a local industry. Recent reports have indicated the beginning of orange oil manufacture on a commercial scale and the development of consuming outlets in the Union specifically to utilise the locally produced orange oil. Exhaustive research relative to distillation procedure and oil yields has been conducted and manufacture of orange oil in South Africa apparently has been initiated with improved processes and methods.

Kauri Gum—Mechanical Production

WITH a view of establishing mass production of kauri gum in New Zealand, a mechanical digging experiment has been made at Tomarata, near Wellsford, on a virgin area of 650 acres of gum-bearing swamp land. Two light motor-driven shovels are in use. Each shovel employs a crew of about ten men, most of them being engaged in extracting the gum from the strata laid bare by the shovels. The gum in the fields thus exploited appears to be found in deposits varying from eight to twelve feet below the surface. In connection with the mechanical digging at Tomarata, a rotary power-driven cleaning plant has been installed, having a capacity of three and a half tons of gum each eight hours. The success said to be attending the small-scale power shovel digging of gum naturally raises the inference that the supply might be largely increased by large-scale hydraulic sluicing. Total exports from New Zealand for the first quarters of 1931 and 1932 amounted, respectively, to 437 tons, valued at £22,999 and 543 tons valued at £19,661. While the statistics indicate a slight increase in quantity, prices were considerably lower, due, undoubtedly, to a greater demand for lower-grade gums.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, July 28

THE anticipated quieter tone with the approach of the holidays is evident in most markets and business has been decidedly limited. The tone throughout is, however, very steady, and even where the lack of demand is very marked there is no indication of weakness in the market. In some of the minor products in the crude drugs section conditions have suddenly become much firmer and supplies in these cases appear to be very limited. Business in pharmaceutical chemicals has been rather less than recent average, but prices are all very steady. Phenacetin and phenazone tend to be dearer on spot now that isolated cheap lots are being cleared. In crude drugs a few sales followed last week's auction with the reserve prices obtained. Agar-agar has been in good demand and is now steady. Buchu is fully steady and there is a shortage of really good green rounds. Cod-liver oil is firmer for shipment. Opium is firm at recent advances. Pimento is dearer. Shellac is steadier. Turmeric has been in demand and is dearer and very steady. Sarsaparilla is in better supply and the market shows a slight decline. The demand for essential oils has been patchy and not very satisfactory. Spot prices generally are steady and some shipment markets tend firmer. Bois de rose, Cayenne, is scarce, and Brazilian is firm and dearer. Citronella, Java and Ceylon, have been rather quiet and are unchanged. Sicilian lemon still varies as to brand, but the general tone is better. Sicilian orange is again rather dearer, and spot supplies are stated to be limited. Spike is firmer, with Spanish on spot now at dearer rates. Fixed oils are rather quiet, but prices are fairly steady, with no material alteration to record. American turpentine is steadier but quiet, and linseed oil (raw, naked) is steadier. Coal-tar products have been very quiet in most instances. There is a fair inquiry for carbolic acid crystals, and for pitch for next season's shipment.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:

Centre	Quoted	Par	July 28	Value of the £
Amsterdam ..	Fl. to £	12.107	8.79	14/6½
Berlin ..	Mks. to £	20.43	14½	14/7
Brussels ..	Belga to £	35	25½	14/7
Copenhagen ..	Kr. to £	18.159	18.55	20/5
Lisbon ..	Esc. to £	110	110	20/0
Madrid ..	Ptas. to £	25.22½	44½	34/9½
Milan ..	Lire to £	92.46	69½	14/10
Montreal ..	Dol. to £	4.86½	4.04½	16/7½
New York ..	Dol. to £	4.86½	3.53½	14/6½
Oslo ..	Kr. to £	18.159	19.95	21/11½
Paris ..	Fr. to £	124.21	90½	14/6½
Prague ..	Kr. to £	164.25	120	15/5
Stockholm ..	Kr. to £	18.159	19.47½	21/5½
Warsaw ..	Zlotti to £	43.38	32	14/9
Zurich..	Fr. to £	25.22½	18.17½	14/5

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

BUSINESS has been on a very modest scale this week, the general quietness being attributed to the approaching holiday season. Prices in most directions are being steadily maintained and some products are quoted on spot well below replacement costs.

ACETANILID is unchanged on a slow market: B.P. crystals and powder, 1s. 5½d. to 1s. 8d. per lb. as to quantity.

AMIDOR is a steady market with small business moving: 56 lb., 7s. 3d.; 28 lb., 7s. 6d.; 14 lb., 7s. 11d. per lb., in 7-lb. tins.

AMIDOPYRIN.—Business is quiet and some spot offers are at keen prices: crystals, two cwt., 17s.; less than two cwt., 17s. 6d. per lb., with powder 2d. per lb. extra.

AMMONIUM BENZOATE is quoted on spot at about 3s. 4d. to 3s. 6d. per lb. as to quantity.

AMMONIUM ICHTHOSULPHONATE.—Business is on the quiet side; market steady: one cwt., 1s. 6d., in 14-lb. tins; 1s. 7d. in 1-lb. tins; 1s. 9d. in 8-oz. tins; and 1s. 11d. per lb. in 4-oz. tins.

ASPIRIN continues in good demand, with dealers' and makers' prices very steady. Home trade: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 1 lb., 3s. 4d. per lb. Export to Colonies and British Possessions: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d. per lb., f.o.b.; less than one cwt., 2s. 9d. per lb., ex works.

BARTONITE.—Spot is rather irregular, with a few cheap sellers, and business slow: spot, one cwt., 10s. 9d.; 56 lb., 11s.; smaller parcels, up to 11s. 3d. per lb.

BENZONAPHTHOL.—Inquiry is very limited, with spot quoted at about 3s. 4d. to 3s. 6d. per lb. as to quantity.

BENZOIC ACID (B.P.)—About average business is being done, with the market steady: quantities, ex works, 1s. 10½d.; spot parcels, 1s. 11d. to 2s. per lb., ex store.

BROMIDES.—Prices quoted by home makers and dealers are level and the market is steady, with business moderate: ammonium, not less than five cwt., 1s. 9d.; one cwt., 1s. 10d. smaller quantities, 2s. 1d. per lb.; potassium, B.P. crystals and granular, not less than five cwt., 1s. 6d.; one cwt., 1s. 7d.; smaller quantities, 1s. 10d. per lb.; sodium, B.P., not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; smaller quantities, 2s. per lb., net, without engagement. Special prices for larger quantities.

BUTYL CHLORAL HYDRATE continues rather dull at former rates: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—Spot material is freely offered at rather keen and low prices: pure alkaloid, 5s. 6d. to 6s. per lb.; citrate, 4s. 3d. to 4s. 9d. per lb., as to quantity.

CALCIUM LACTATE meets with a fair business, with values holding: spot, one cwt., 1s. 2d.; 56 lb., 1s. 2½d.; 28 lb., 1s. 3d.; 7 lb., 1s. 6d. per lb.

CHLORAL HYDRATE.—There is no change in makers' prices, which command the home market: duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 4d.; one cwt., 3s. 5d.; 56 lb., 3s. 6d.; 28 lb., 3s. 7d.; 14 lb., 3s. 8d. per lb.; 28-lb. jars, one penny per lb. extra.

CHLOROFORM.—Makers' prices for home trade are steady: in drums, 2s. 3d. to 2s. 6d.; winchesters, 2s. 3½d. to 2s. 6½d.; 2 lb. bottles, 2s. 4½d. to 2s. 7½d.; 1-lb. bottles, 2s. 5½d. to 2s. 8½d.; 8-oz. bottles, 2s. 6½d. to 2s. 9½d.; 4-oz. bottles, 2s. 8½d. to 2s. 11½d., for ten cwt. down to 56-lb. lots; carriage paid on minimum cwt. lots.

CITRIC ACID (B.P. CRYSTALS).—Business has been fairly good. Makers' quoted price for home trade is unchanged at 1s. 0d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are offering at competitive prices.

COCAINE.—Makers' prices for home trade are unchanged: hydrochloride, 25 oz., 20s. 11d.; 16 oz., 21s. 7d., and less, 22s. 3d. per oz.; pure, 25 oz., 22s. 1d.; 16 oz., 23s. 8d.; less than 16 oz., 24s. 4d. per oz.; 1-oz. tins, 2½d. extra. Export prices vary according to destination.

CREAM OF TARTAR.—Makers' quoted price for 99 to 100 per cent. is at the reduction recorded last week: 90s. per cwt., less 2½ per cent. discount, nominal and without engagement.

CREOSOTE (B.P.).—Business has been lacking: quoted on spot at about 2s. 1½d. per lb. for quantities in demijohns; small lots up to 2s. 3d. per lb.

CREOSOTE CARBONATE has been slack: dealers are quoting spot from 8s. 6d. to 10s. per lb., as to quantity.

ETHER (METHYLATED).—Home makers' prices continue at former rates: s.g. 0.750, 1s. 1½d.; 0.755, 1s. 2d.; 0.730, 1s. 2d.; 0.725, 1s. 4d. per lb., in w-quarts; 12 w-quarts, halfpenny less, and packed in drums or carboys, 1d. less.

GUAIACOL CARBONATE is in very limited demand; dealers' prices are competitive: spot, one cwt., 7s. 9d.; 56 lb., 7s. 10d.; 28 lb., 7s. 11d.; smaller parcels, up to 8s. 3d. per lb.

HEXAMINE.—Gold standard prices for material to come forward are unchanged: five cwt., 1s. 8d.; two cwt., 1s. 8½d.; smaller parcels, up to 2s. per lb. Spot offers are at about 2s. 3½d. for two cwt.; 2s. 4d. for one cwt.; and up to 2s. 8d. per lb. for smaller parcels.

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HYDROQUINONE.—Dealers' prices are unchanged; business fair in limited quantities: ten cwt., 4s. 8½d.; five cwt., 4s. 9½d.; two cwt., 4s. 10½d.; one cwt., 4s. 10½d.; 56 lb., 4s. 11½d.; 28 lb., 5s. 1½d.; 14 lb., 5s. 3½d.; 7 lb., 5s. 5½d. per lb., carriage paid.

LACTIC ACID (B.P.).—A rather slow, with competition for business of size: quantities, in carboys, 1s. 5½d. to 1s. 6d. per lb.; small lots, in demijohns and winchesters, 1s. 7d. to 1s. 8½d. per lb., carriage paid.

METHYL SALICYLATE (B.P.).—A very fair volume of business continues, with the market steady: one ton and over, 1s. 4½d.; ten cwt., 1s. 5d.; five cwt., 1s. 5½d.; one cwt., 1s. 6d.; less than one cwt., 1s. 6½d.; smaller quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—does not meet with much business; dealers' prices steady: two cwt., 18s. 9d.; one cwt., 19s. 3d.; 56 lb., 19s. 9d.; small parcels, 20s. 6d. per lb.

METOL.—is meeting with about a normal volume of small business: 56 lb., 9s. 3d.; 28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 9d. per lb., in tins; bottles extra. Wholesale distributors' prices for small quantities at higher rates.

MILK SUGAR.—Continental material continues to be offered at keen prices: one ton, 50s. 6d.; ten cwt., 51s. 6d.; two cwt., 52s. 6d. per cwt., in two-cwt. cases.

PARAFORMALDEHYDE.—has been in very fair demand on a keen market: 100 per cent. powder, quantities in kegs, 1s. 13d. to 1s. 2d.; smaller parcels, up to 1s. 7d. per lb.

PARALDEHYDE.—meets with occasional business: quantities in carboys, 1s. 1d. to 1s. 1½d.; in winchesters, 1s. 4d. per lb.; higher prices for small quantities.

PHENACETIN.—Some spot offers continue at under replacement costs; business is quiet: spot, crystals, ten cwt., 5s. 3d.; five cwt., 5s. 4d.; two cwt., 5s. 6d.; and less, up to 6s. per lb., with powder 2d. per lb. extra.

PHENAZONE.—Business is not of much account, with spot sellers keen to do business: crystals, ten cwt., 9s. 3d.; five cwt., 9s. 6d.; two cwt., 9s. 9d.; and less, 10s. 3d. per lb., with powder 2d. per lb. extra.

PHENOLPHTHALEIN.—Business is quiet and there is keen competition: cwt. lots, about 3s. 9d. up to 4s. 3d. per lb. for small parcels.

POTASSIUM PERMANGANATE (B.P.).—A steady flow of small business continues: spot, bulk quantities, in drums, 8½d. to 9d.; druggists' parcels, 9½d. to 10d. per lb.

POTASSIUM SULPHOGUAICOLATE.—very quiet on spot, with dealers quoting about 4s. 8d. to 5s. per lb. as to quantity.

PYROGALLIC ACID.—Makers' prices for home trade are steady; business fair: one cwt., 6s. 9d.; 56 lb., 7s.; 28 lb., 7s. 3d.; 14 lb., 7s. 9d.; 7 lb., 8s. 6d. per lb., in 7-lb. tins.

QUININE SULPHATE.—There is no change in the Convention price at 2s. 4d. per oz., carriage paid on bulk quantities.

RESORCIN.—has been in occasional demand; market steady: crystals, one cwt., 4s. 6d.; 56 lb., 4s. 7d.; 28 lb., 4s. 8d.; 14 lb., 4s. 10d.; 7 lb., 5s.; less than 7 lb., 5s. 6d. per lb., with powder 3d. per lb. extra.

ROCHELLE SALTS.—Makers' prices are steady: powder, five cwt. and over, in one delivery, 82s. 6d.; less than five cwt., 85s.; less than one cwt., 87s. 6d. per cwt.; crystals, 2s. 6d. per cwt. extra. Pulv. seidlitz, five cwt. and over, in one delivery, 66s. 3d.; less than five cwt., 68s.; less than one cwt., 70s. per cwt. Double seidlitz, five cwt. and over, in one delivery, 73s. 3d.; less than five cwt., 75s. 6d.; less than one cwt., 77s. 6d. per cwt. Quoted without engagement; special prices for quantities and contracts.

SACCHARIN.—is steady at the controlled figure: 550, 1 lb., 37s. 6d. per lb., duty paid, with rebates for quantities.

SALICYLIC ACID (B.P.).—Makers' prices for home trade are firm: one ton, 1s. 5d.; ten cwt., 1s. 5½d.; five cwt., 1s. 6d.; one cwt., 1s. 6½d.; small parcels, up to 2s. per lb.

SALOL.—unchanged at Convention prices; market is dull: crystals, two cwt., 5s. 2½d.; one cwt., 5s. 4½d.; 56 lb., 5s. 6d.; smaller parcels, 5s. 7½d. per lb.; powder, 2d. per lb. extra.

SANTONIN.—The market is unquotable, with competition between the sources of supply very keen. The home maker is meeting the market.

SODIUM BENZOATE (B.P.).—meets with a moderate demand, with competition for business: bulk quantities, 1s. 7½d. per cwt. lots, 1s. 8d.; smaller parcels, up to 2s. per lb.

SODIUM DIETHYLBARBITURATE.—does not attract much business; some cheap spot sellers: one cwt., 12s. 8d.; 56 lb., 12s. 10d.; 28 lb., 13s.; 14 lb., 13s. 2d.; smaller parcels, up to 13s. 9d. per lb.

SODIUM SALICYLATE (B.P.).—Business continues on a very fair scale, with makers' and dealers' prices level and steady. Home trade: powder, two tons, 1s. 10d.; one ton, 1s. 10½d.; ten cwt., 1s. 11d.; five cwt., 1s. 11½d.; one cwt., 2s.; 28 lb., 2s. 1d.; 14 lb., 2s. 3d. per lb., with crystals 1d. per lb. extra.

SULPHONAL.—The market has been dull, with dealers' prices steady: crystals, two cwt., 15s.; one cwt., 15s. 6d.; 56 lb., 15s. 9d.; small parcels, up to 16s. 6d. per lb.; powder, 2d. per lb. extra.

TARTARIO ACID (B.P. CRYSTALS).—A very fair business continues; British makers quoting down to 1s. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are offering at competitive prices.

THEOBROMINE.—freely available at keenly competitive prices; business is slow: pure alkaloid, 5s. to 5s. 6d.; sodium salicylate, 4s. 9d. to 5s. 3d. per lb. as to quantity.

THYMOL.—easy as quoted and the market remains dull: synthetic, fine white, one cwt., 5s. 10½d.; 56 lb., 6s.; 28 lb., 6s. 1½d.; 14 lb., 6s. 3d. per lb.; ex ajowan seed, one cwt., 7s. 6d.; 56 lb., 7s. 7½d.; 28 lb., 7s. 9d.; 14 lb., 8s. per lb.

VANILLIN.—meets with a limited business and there is not much second-hand cheap material on the market: ex guaiacol, one ton, 14s. 3d.; ten cwt., 14s. 6d.; five cwt., 14s. 9d.; three cwt., 15s.; one cwt., 15s. 3d.; 56 lb., 15s. 6d.; 28 lb., 15s. 9d.; 14 lb., 16s.; less, 16s. 3d. per lb.; ex clove oil, 16s. to 18s. per lb. as to quantity, from one ton to less than 14 lb.

Crude Drugs, etc.

ACONITE ROOT.—Japanese is quoted cheaper at 58s. 6d. per cwt., and Napellus at about 70s. per cwt., spot.

AGAR-AGAR.—Quite a good business has been moving, and the market is steady. Kobe No. 1, 3s.; No. 2, 2s. 10d.; Yokohama No. 1 is scarce and dearer at 3s. per lb. Shipment, Kobe No. 1, 2s. 1½d.; No. 2, 1s. 10d.; Yokohama, No. 1, 1s. 10d. per lb., c.i.f.

ANTIMONY.—The market is quoted unchanged, with business quiet. Chinese crude, spot, £16; shipment, £13 5s. c.i.f. Chinese oxide, spot, £25; crude, £17 10s. c.i.f.

BELLADONNA.—Root is very steady, and for good test up to 55s. per cwt. is quoted.

BUCHU.—The recent higher prices are maintained, and the market is fully steady, although business has been rather quiet. There is a marked shortage of really good green rounds, for which the price is up to 1s. 3d.; off colour, bronzy, 11d. to 1s.; ovals, 8½d. to 9½d. per lb., as to colour.

CAMPHOR.—The market is fairly steady, but rather dull; spot, Japanese slabs, 2s. 5d.; tablets, 3s. per lb. Shipment, slabs, 1s. 10½d.; flowers, 1s. 11d.; tablets, 2s. 4½d. per lb. English refined is quoted unchanged: flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ¾ oz. and ¼ oz., 3s. 6d. per lb.; special prices for contracts for quantities.

U.S. imports for May were as follows:—Natural, crude, 13,651 lb., valued at \$48,905; natural, refined, 124,149 lb., valued at \$40,357, all shipped from Japan. Synthetic, 100,471 lb., valued at \$29,107, of which 78,424 lb. (\$22,747) was shipped from Germany and the remainder from Italy.

CANTHARIDES.—Some Russian are quoted for shipment from the Continent at 5s. 6d. per lb.

CASCARA SAGRADA.—The spot market is quoted at about 52s. 6d. per cwt. for 1931 peels. For shipment, offers are at about 35s. 6d. per cwt., July-September shipment, c.i.f. for good quantities.

CELERY SEED.—The price is quoted dearer at 125s. per cwt., due to reports of bad weather in growing districts.

CHAMOMILES.—Old crop flowers are selling steadily at former prices.

CLOVES.—Values are holding steady, but business has been rather slow. Zanzibar, spot, 7½d.; afloat, 7½d. sold; shipment, August-October, 6½d., sellers, c.i.f. Madagascar, spot, 7½d. per lb.

The landings of Zanzibar in London during the week ended July 23 were nil, and the deliveries 62, leaving a stock of 1,785, against 493 in 1931. From January 1 to date landings of Zanzibar have been 4,350, against 1,954 in 1931, and the deliveries 4,552, against 1,580 in 1931. Landings of Madagascar for the week ended July 23 were nil, leaving a stock of 1,554, against 1,250 in 1931. Landings of Madagascar this year to date have been 782, against 2,113 in 1931, and the deliveries 235, against 1,769 in 1931.

COCOA BUTTER.—Prime English is quoted from 9½d. to 10½d. per lb. as to quantity.

COCONUT (DESICCATED).—The spot market has been dull and is quoted slightly cheaper: spot, fine, 23s. 6d.; medium, 22s. 6d.; shipment, halves, July-August, 20s. 9d. per cwt. c.i.f.

COD-LIVER OIL continues quite steady, and quoted dearer, with shippers holding for full prices. Exports up to July 9 totalled 42,019 barrels, as compared with 37,691 barrels at the same time last year. Finest steam-refined, non-freezing medicinal oil, about 82s. 6d. per barrel c.i.f. Spot is quoted at about 97s. per barrel, ex wharf, duty paid.

ERGOT.—Spot offers of Russian are being made at about 1s. 4d. per lb. Spanish is quoted at 1s. 10d. per lb.

GELATIN is meeting with a fair demand and dealers' prices are steady. Spot, gold leaf, 2s. 2d.; silver leaf, 2s.; bronze leaf, 1s. 8½d.; thin leaf, 1s. 7½d. per lb., in cwt. cases.

GENTIAN.—Spot supplies of whole root quoted at 45s., and cut at 55s. per cwt., duty paid.

GINGER has been dull all the week and spot is a point easier, with West African quoted at 22s. per cwt.; for arrival, sellers at 20s. c.i.f.

GLYCERINE (B.P.).—Chemically pure, double distilled, 1,260 s.g. is quoted at the following prices: twelve winches, 10d.; six winches, 10½d.; three winches, 11d.; one winches, 1s.; 1-lb. bottles, 1s. 2d. per lb. net, carriage paid; bottles extra.

GUM ACACIA.—This market has remained particularly quiet, with quoted price about unchanged. The shipment market is dull but steady.

HONEY.—Although there is very little interest shown in this article the market is steady at former rates.

IPECACUANHA is a dull market, with Matto Grosso in the region of 4s. 9d. per lb. Minas, about 4s. 3d. per lb.

Liquorice Root.—Supplies of single-peeled steadily quoted at 42s. 6d. per cwt.

MENTHOL.—Business has been slow and the shipment market is rather easier. K/S brands, spot, 12s. 9d., and less for bulk quantities; shipment, August, 10s. 3d.; August-September, 10s. 1½d.; October-December, 9s. 10½d. per lb., c.i.f.

U.S. imports for May totalled 47,383 lb., valued at \$100,735, of which 42,480 lb. (\$87,711) were shipped from Japan and 4,205 lb. (\$12,420) from France.

MERCURY.—The Spanish-Italian group shipment price is nominal, but they are stated to be meeting competition. Spot continues to weaken, with the quoted price now down to about £9 10s. to £10 per bottle, ex store, as to quantity.

OPIUM.—It is reported from Smyrna that Japan has purchased a large parcel. Shipment continues firm, with the price equivalent to fully 1s. 4d. per unit, landed and duty paid.

PEPPER has not maintained the better tone reported last week and the market is quoted slightly easier and business has been poor. Lampung, spot, 6½d.; shipment, August-October, 4½d.; October-December, 4½d. per lb. c.i.f. Telli-cherry, spot, 7d.; shipment, August-September, 6½s. per cwt. c.i.f. Aleppy, spot, 6½d. per lb.; shipment, August-September, 6½s. per cwt. c.i.f. White Muntok, spot, 7½d.; shipment, July, 6½d.; July-August, 6½d.; August-October, 5½d. sellers, c.i.f.

PIMENTO.—The market has been brighter and values have advanced. Spot, 2½d. per lb.; shipment, 25s. per cwt., sold, c.i.f. London.

PSYLLIUM SEED.—Spot offers for smallish lots are at about 1s. 2d. per lb. French, new crop, for September-October delivery, 10d. per lb. for bulk quantities.

U.S. imports for May totalled 595,732 lb., valued at \$37,245, of which 346,574 lb. (\$14,151) were shipped from India, 196,560 lb. (\$19,489) from France.

RUBBER.—A substantial advance in prices is recorded this week and the market closes very steady. U.K. stocks continue to decline, being 106,723 tons, against 109,523 tons a week ago, and 135,439 tons a year ago. World stocks at June 30 totalled 583,391 tons, against 539,362 tons at June 30, 1931. Standard ribbed smoked sheet, sellers, spot, 2½d.; August, 2½d.; September, 2½d.; October-December, 2½d.; January-March, 1932, 2½d.; April-June, 2½d. per lb.

SAFFRON.—Dealers' prices are slightly cheaper this week; market is quiet. Spot, prime B.P., 55s. 3d.; extra B.P., 52s. 3d.; super B.P., 48s. 6d. per lb., and less for bulk quantities.

SARAPARILLA.—With more supplies available and a slower demand the market is quoted cheaper. Jamaica, grey, 1s. 1d. to 2s.; native, mixed colours, 1s. 1d. to 1s. 2½d. per lb.

SEEDS.—ANISE.—Spanish, 51s. 6d.; Turkish, 35s.; Russian, 37s. 6d. per cwt. on spot. **CANARY.**—Mazagan, on spot, sold

15s.; Tangier, now 14s. 6d.; Kenitra, 14s. **LINSEED.**—Spot, Mazagan, 13s.; Morocco sold at 12s. 3d. **CORIANDER.**—Morocco, 1929 crop, spot quiet at 16s.; new crop for shipment is dearer, 15s. c.i.f. now quoted. **CUMIN.**—Market still rising. Morocco spot quoted at 35s.; for shipment, 30s. c.i.f. **FENUGREEK.**—Tunisian, 15s. 6d. spot; Morocco, 13s. 6d. spot and 10s. 6d. c.i.f. **CARAWAY.**—Dutch on spot is 32s., duty paid. **MUSTARD.**—English, 20s. to 31s. per cwt., according to quality.

SENEGA.—Some limited business is reported, with the spot price about 1s. 6d. per lb.

SENNA.—So far as Alexandrian is concerned, the market is very dull and there are some really nice medium quality pods offering at attractive prices. Tinnevelly is steady, with the quality of early arrivals of new crop leaves rather disappointing. Fine bold leaves are a scarce commodity. Pods are steady.

U.S. imports for May totalled 192,902 lb., valued \$9,810, of which 185,086 lb. (\$9,241) were shipped from Egypt and the remainder from the United Kingdom.

SHELLAC.—Quoted prices show some recovery and the market is a little steadier; business is quiet. Spot, standard TN orange, 57s.; fine orange, 67s. 6d. to 130s.; pure button, 67s. 6d. per cwt. For delivery, TN August, 47s. paid and buyers; October, 48s. buyers; December, 49s. paid. For arrival, TN sellers, July-August, 46s. per cwt. c.i.f.

STRAMONIUM LEAVES.—Forward prices of Italian leaves are quoted rather firmer owing to the continued bad weather in Northern Italy.

TURMERIC.—Madras finger has been in good demand and spot has moved up to 20s. 6d. to 27s. Shipment, August-September, 25s. c.i.f.

VALERIAN ROOT.—Spot supplies are quoted at 40s. per cwt., duty paid.

WAX (VARIOUS).—Rather more business has been done this week and prices are all fairly steady. The lower grades of carnauba are dearer. CARNAUBA, fatty grey and chalky grey, is dearer at 85s.; medium yellow, steady, 140s.; fine yellow, 150s. CANDELILLA is unchanged at 90s. per cwt.; SPERMACETI, steady at 9½d. per lb., spot; PARAFFIN is about steady from 22s. 6d. to 50s. per cwt. as to melting point. CERESIN is quoted from 35s. to 80s. per cwt., as to colour and melting point. BEES' is about steady, with the market quiet; bleached, discs, £7 10s.; slabs, £7 5s.; yellow refined, £5 12s. 6d.; yellow crude, 97s. 6d. per cwt. spot.

Essential Oils, etc.

SOME lines have been moving fairly well, but on the whole the market has been rather quieter. Prices are mostly steady, with firmer tendencies here and there. Citronella and bois de rose are very steady. Sicilian orange is better, with spot supplies limited. American peppermint is quoted dearer for shipment. The substantial difference between spot and shipment prices for some products does not indicate weakness, but is in all instances accounted for by the ten per cent. import duty.

ALMOND.—The market is quoted cheaper, with s.a.p. at about 7s. 6d. per lb. Sweet almond, about 2s. per lb., spot.

ANISE (STAR).—is about unchanged on the week, and business has remained quiet: spot, "Red Ship," in leads, 2s.; in tins, 1s. 10d.; in drums, 1s. 9d.; shipment, in leads, 1s. 7½d.; in tins, 1s. 6½d.; in drums, 1s. 5½d. per lb. c.i.f.

BERGAMOT.—Business seems to have been small at keen prices. The Consortium quote at about 9s. 6d. per lb., spot, with outside material offering at very competitive figures.

U.S. imports for May totalled 1,895 lb., valued at \$3,545. Shipments from Italy were 250 lb. (\$412).

Bois DE ROSE.—There has been a fairly good sale on spot of Brazilian, and supplies are running short. Spot has sold at 4s. 3d., but most holders are now very steady at 4s. 6d. up to 4s. 9d. per lb., as to quantity. The shipment market is nominal, with no definite offers, although 5s. c.i.f. has been suggested. Cayenne, if available on spot, would now be fully 9s. 3d. to 9s. 6d. per lb.

CARAWAY.—has been quiet, with Continental twice rectified material quoted at 8s. to 8s. 4d. per lb., as to quantity. Isolated offers for a good quality may be slightly less.

CASSIA.—Some occasional business has been done, with spot fully steady at 2s. 9d. to 3s. 10d. per lb.; shipment is about 3s. 1½d. per lb. c.i.f.

CEDARWOOD.—The market is steadier with bulk quantities at 1s. 10d. per lb., and up to 2s. for small quantities.

CINNAMON LEAF.—Business has been slow, with spot about 3s. 3d. to 3s. 6d. per lb., as to quantity.

CITRONELLA.—Prices are holding at the recent increases, and the market is very steady, although business has been quieter this week. Java, spot, 2s. 9d.; shipment, 2s. 5½d. per lb., c.i.f. Ceylon, spot, 1s. 8d. to 1s. 9d. per lb.; with no reliable information on the shipment market at hand.

CLOVE.—English 85 to 90 per cent. is quoted at about 4s. 4d. to 4s. 6d. per lb., as to quantity. Madagascar, on spot, about 3s. 9d. per lb.; shipment, about 2s. 10d. per lb. c.i.f.

EUCALYPTUS.—There are cheap offers on the market, but the first-hand sellers' prices are unchanged. Spanish, 70 to 75 per cent., 1s. 2d.; Australian, 70 to 75 per cent., 1s. to 1s. 0½d.; 80 to 85 per cent., 1s. 1d. to 1s. 1½d. per lb., and less for bulk quantities.

U.S. imports for May totalled 25,436 lb., valued at \$2,318, all shipped from Australia.

GERANIUM.—The market has been slack, and tends to become slightly easier: spot, Bourbon, about 25s. per lb.; shipment, about 23s. 3d. c.i.f. Algerian, spot, 24s. 6d. per lb.

U.S. imports for May totalled 7,194 lb., valued at \$23,720, of which 5,141 lb. (\$15,464) were shipped from France and 2,043 lb. (\$8,191) from Mexico.

GINGERGRASS.—Business has been limited, with spot quoted at about 7s. 2d. to 7s. 3d. per lb., as to quantity.

JUNIPER BERRY (B.P.) remains very quiet, but spot is holding at about 4s. 6d. to 4s. 8d. per lb., and slightly less for bulk lots.

LAVENDER.—For the time being spot offers are not being made in some quarters. Shipment for the new crop for a good brand is in the region of 9s. per lb. c.i.f.

LEMON.—The better tone reported last week is maintained, although business has not been quite so good. Sicilian, hand-pressed, on spot, from 4s. 3d. to 5s. 6d.; shipment, from 4s. 2d. to 5s. per lb. c.i.f., as to brand and quantity. Californian, spot, 57 cents per lb. in drums.

U.S. imports for May totalled 10,925 lb., valued at \$8,172, of which 9,975 lb. (\$7,242) were shipped from Italy.

LEMONGRASS continues in limited request, with the price for good quantities about 1s. 10d. per lb.; smaller lots, about 1s. 11d. to 2s. 1d.; shipment, about 1s. 8½d. c.i.f.

LIME has been rather quieter, with the price for genuine West Indian about 35s. per lb., spot.

MANDARIN.—The spot quotation is about steady at 16s. per lb. for small lots; business has been slow.

ORANGE.—The better tone of this market is maintained and supplies on spot appear to be rather restricted. Sicilian sweet, spot, 7s. 3d. to 7s. 6d.; shipment, 6s. 3d. to 6s. 4d. per lb. c.i.f. West Indian, hand-pressed, 5s. 6d. per lb. c.i.f. French Colonial, 5s. 9d. per lb. c.i.f. Californian, spot, 80 to 90 cents per lb. as to quantity.

U.S. imports for May totalled 7,714 lb., valued at \$11,307, of which 5,970 lb. (\$9,917) were shipped from Italy, 1,000 lb. (\$800) from Jamaica, 383 lb. (\$297) from France, and 336 lb. (\$264) from Spain.

PALMAROSA, although a quiet market, is fully steady as quoted in the region of 8s. 6d. to 8s. 9d. per lb. as to quantity.

PEPPERMINT.—The spot market for Japanese dementholisised is steadier and the price is from 3s. 10d. per lb. Shipment is about unchanged, with August, 3s. 3d.; September, 3s. 2d., and October-December, 3s. 1d. per lb. c.i.f. American oil for shipment is moving up and some quotations are now up to one dollar 40 to 45 cents per lb. c.i.f.

PETITGRAIN is well maintained on spot as quoted at 4s. 2d. to 4s. 4d. per lb.; business is small.

ROSEMARY.—Some occasional business has been moving, with Spanish on spot at about 1s. 9d. to 1s. 10d. per lb. as to quantity. Shipment is at about 1s. 5½d. per lb. c.i.f.

SAGE.—Quotations for bulk quantities for September shipment are being made at about 1s. 7½d. per lb. c.i.f.

SASSAFRAS is holding at the spot quotation of 4s. 6d. to 4s. 9d. per lb.; market is quiet.

SPEARMINT is steadier, but there is not much business moving: spot, 8s. to 8s. 3d. per lb. as to quantity.

SPIKE.—There is a firmer feeling in the spot market. Sales of Spanish had been made at under 3s., but most holders are now looking for 3s. 2d. to 3s. 4d. per lb. French is quoted on spot at about 4s. 3d. per lb. There now appears to be a doubt as to whether Customs will agree that this class of lavender oil should be allowed free import under the recent exemption order.

WORMSEED has been of little interest. Spot is quoted at about 9s. 6d. to 9s. 9d. per lb. as to quantity.

Coal Tar Products, etc.

THESE markets have been rather dull during the past week, and some products are tending slightly easier. Pitch is very firm, with supplies for next season limited. Carbolic acid crystals are moving moderately well. BENZOL is fairly steady, and prices are unchanged: standard motor 90's, 1s. 4d. per gallon, in tank wagons, ex works; pure, 1s. 10d. to 1s. 10½d. per gallon. CARBOLIO ACID CRYSTALS (39° to 40° C.).—A little more inquiry is being received, market steady; quoted from 5½d. to 6½d. per lb. in drums with over-casks, carriage paid in U.K., or f.o.b.; crude carbolic 60's, 1s. 7d. to 1s. 8d. per gallon, naked at works. CRESYLIC ACID.—Except for special qualities the market is rather dull and unsteady: pale 99 to 100 per cent., 1s. 4d. to 1s. 4½d.; dark 95 per cent., 1s. to 1s. 1½d.; special qualities, 2s. 1d. to 2s. 6d. per gallon, ex works. American duty-free acid, 1s. 4d. to 1s. 6d. per gallon, f.o.b. CREOSOTE OIL is meeting with a fairly good call for home trade: shipment business is quiet. Bulk quantities, 4½d. to 5½d. per gallon f.o.r. works, South England. KEROSENE.—Quoted prices are unchanged; market quiet: water white, 11½d.; standard white, 10½d. per gallon, in barrels, ex wharf, London; in bulk, 3d. per gallon less. MOTOR SPIRIT.—National distributors' prices are unchanged: No. 1, 1s. 3½d. per gallon, delivered in bulk for England, Wales and South Scotland; 1s. 4d. for Belfast, and 1s. 4½d. for remainder of Northern Ireland and North Scotland; 1s. 0½d. for Irish Free State, with Dublin 11½d. per gallon; No. 3 spirit, 2d. per gallon less, and aviation spirit, 4d. per gallon more in all cases; 1d. to 2d. per gallon more in two-gallon tins, as to district. NAPHTHALENE is quoted by importers unchanged, with balls, £16 7s. 6d. per ton, in cases. PITCH.—Inquiry is active and supplies are limited; market is firm for the coming season at fully 92s. 6d. to 95s. per ton, f.o.b. East Coast. SOLVENT NAPHTHAS.—Market is easier and rather unsteady: 90 to 160, 1s. 2½d. to 1s. 3½d.; heavy, 90 to 190, 1s. 1d. to 1s. 1½d. per gallon, naked at works. TOLUOL is slightly cheaper with the market about steady: commercial 90's, 2s. 1d. to 2s. 3d.; pure, 2s. 6½d. per gallon, ex works. XYLOL is quoted rather easier on a dull market: commercial, 1s. 9½d. to 1s. 10d.; pure, 1s. 10½d. to 1s. 11d. per gallon, ex works.

Fixed Oils, etc.

THE recent improved business in this market was maintained early in the week, but latterly the tone has been generally quieter, and values in some instances are inclined to weaken a little. Palm closes easier after being at an advance. American turpentine is steadier. ACID OILS.—The market has been quieter and is not so steady: coconut and/or palm kernel, 22s.; groundnut, 19s. 6d.; soya, 14s. 3d., spot. CASTOR.—Quoted values are unchanged on the week; market quiet: pharmaceutical, 41s. 6d.; first pressings, 36s. 6d.; second pressings, 31s. 6d. (barrels); cases £4 per ton extra, ex mills, Hull, in not less than one-ton lots; Bombay, 27s. (drums), c.i.f., nominal. COCONUT is keeping up to former rates, and business is fair: deodorised, 33s. 6d. (barrels), spot; Ceylon, 24s. 6d. (drums), c.i.f. COTTON is fairly steady, and a moderate business has been done: deodorised, 28s. 6d.; common edible, 26s. 6d.; soapmaking, 24s. 6d.; crude, 23s. 3d. (barrels), spot. GROUNDNUT is about unchanged, but the market is rather quiet: deodorised, 39s. 6d. (barrels), spot; crudo Oriental, 32s. (drums), c.i.f. LINSEED (RAW, NAKED).—The market has been mostly quiet, and values are about steady; on spot, 14s. 6d.; July, 12s. 9d.; August, 13s.; September-December, 13s. 6d.; January-April, 1933, 14s. 4½d. Boiled oil, spot, 17s. 3d. OLIVE.—Dealers' prices are about maintained. Business quiet: edible, in tins in cases, 8s.; in drums, 7s. 6d.; B.P., 4s. 9d. per gallon, in 40-gallon barrels. PALM.—After moving up to higher prices early on with the market showing fair activity, this article has fallen back, and closes dull but fairly steady: Lagos, 16s. 5d.; softs, 15s. 6d.; mediums, 16s. 6d.; hards, 17s. 6d.; bleached, 18s. 3d., spot. PALM KERNEL is about steady, but there is not much business moving: deodorised, 32s. 3d.; crudo, 24s. 9d., spot. RAPE has been dull and is a point easier: refined, 32s.; crude, 30s., spot. RESIN.—Spot values are level on the week; business limited: B, 12s.; D, 12s. 3d.; F/G, 12s. 9d.; N, 18s. 9d.; W/G, 21s. 9d.; W/W, 22s. 6d. per cwt., ex wharf. SOYA is quoted slightly better; market dull: deodorised, 29s. 6d.; crude, 24s., spot. TURPENTINE.—The market is quoted steadier, but has been dull; total London stocks, 14,281 barrels. On spot, 60s. 3d. WOOD.—Hankow in barrels is steady as quoted at 48s. 6d., spot.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

A Complaint from Malaya

SIR.—I am instructed by the members of this Association to request you to publish the following:—"This Association deprecates the practice of wholesale chemists and druggists, and manufacturers of patent and proprietary medicines, appointing as their agents in the Straits Settlements and Malay States firms in no way connected with the drug trade, and considers the practice inimical to the interests of chemists and druggists in Malaya."—Yours faithfully,

JOHN DUTHIE,
Secretary, Straits Pharmaceutical Association.
Singapore.

Bottle-Feeding the Retailer

SIR.—As one not yet quite weaned, it is a bit too bad to have the bottle snatched from one, one's nether regions soundly smacked, a dose of castor oil administered and a promise of "more to follow"! Still, a man whose senses are gratified by perfume at is, a pint retail can hardly be representative of the pharmaceutical manufacturing world. I would like to point out something which has escaped him, and that is that the pharmacist is, after all, something of a manufacturer himself. The more attention he gives to pushing his own wares and the less time and money he expends on much of the rubbish thrust upon the trade the better.—Yours faithfully,

CROTON (25/7).

SIR.—How true are the articles by "Relasel" and "Manufacturer"! It is not only the absurd deliveries of goods, but also other services that are given free, which are not quite so apparent. It would be interesting to know how much it costs any individual London (or provincial) wholesale druggist per annum in telephone calls, messenger boys, and bus fares in order to obtain either goods or information for customers. What amount per annum is expended by the wholesale druggist in employing the best possible pharmaceutical brains to safeguard the purity of their products? Were these men employed forty years ago? I think not. To whom does the retailer turn when the credentials of a locum are wanted, an assistant found, a branch shop sold, advice about forward buying? The wholesale drug traveller, and how does he repay him? By buying his drugs, tablets, etc., in half-pounds and quarter-dozen from dealer houses who deliver daily fifty miles or more from London, and are able to do so chiefly because they have not the high percentage of overheads of the wholesale druggist. "Manufacturer" touches the spot when he mentions the N.H.I. There will be a rude awakening one day; drug tariff prices which are now maintained, will in consequence be reduced, and the useful margin will disappear. I have many friends in other trades; not one of them gets the facilities for service, delivery of goods and extension of credit given to the chemist and druggist.

Yours, etc.,
DRUG TRAVELLER (25/7).

Misdescribing Articles as Spirits or Beer

SIR.—With reference to Notice No. 222 issued by the Customs and Excise concerning the Finance Act, 1932, entitled "Penalties upon Misdescribing Articles as Spirits or Beer" [C. & D., July 16, p. 53], it is now generally agreed that in drawing up this notice the Commissioners went further than the Finance Act entitled them. In consequence inspectors have been busy in all parts of the country informing retailers that in selling packets or bottles of brewing material they are doing something which is contrary to the law, and wholesalers who pack such preparations have

been busy answering questions on the subject from their customers. This matter has been the subject of negotiations between me, as secretary of an Association, and the Commissioners, and in consequence the position is now clear. I quote herewith three paragraphs of a letter from the Custom House, dated July 18, which was sent me after submitting labels, cartons, etc., from several firms:—

"With regard to the labels, the phrases 'Herb Beer,' 'Sarsaparilla Beer Extract' and 'Herb Beer Extract,' where these purport in terms to be the names of the contents of the packages (e.g., 'Potter's Herb Beer' and 'Steven's Celebrated Herb Beer Extract') are contrary to Section 12 of the Finance Act.

"With regard to the cartons, such phrases as 'Home Brewed Ale' and 'Home Brewed Stout,' where these purport to be the names of the contents of the packages, are likewise contrary to the Section (e.g., 'Dr. Thompson's Home Brewed Ale')."

"The Commissioners do not, however, see anything in the statements on the labels or cartons submitted to the effect that the contents are for use in making beer or other beverages to which objection can be taken under the Section. Nor is objection seen to the phrase 'Herb Beer Packet.'"

It is obvious from this that a bottle labelled "Herb Beer Extract" offends the Act, but if it is labelled "Extract of Herbs for Making Herb Beer" it does not. Likewise a packet of malt, hops, etc., labelled "Dr. Thompson's Tonic Stout" offends, whereas one labelled "Ingredients for Making Dr. Thompson's Tonic Stout" does not. There is nothing in the Act which prevents a person putting up a carton labelled "Malt and Hops" with the additional wording that it makes so many gallons of beer or stout. It is also pointed out to the Commissioners that according to the Notice, a person could not sell a bottle of bay rum, unless spirit duty had been paid on at least 97½ per cent. of the liquor, without offending Section 11 of the Finance Act, 1932. This fact had not occurred to them, and I was given an assurance that no proceedings would be taken when this title is used. As this matter is of considerable importance to the whole trade, I am passing on the information to you in addition to the members of my Association in the hope that it will ease their minds.

Yours faithfully,
R. W. WREN.
Secretary,
Association of Wholesale Druggists and Manufacturers of Medicinal Preparations.

London, E.1.

The Chemist's Shortcomings

SIR.—I have no idea who "Holaby" is, but what I do know is that he says some very good things in his letter in your issue of July 23 (p. 97). I first of all, however, deal with a point which appears to me to be only partially true. The chemist, he says, cannot pack his own remedies. The answer is that he can and does in very many cases. Not only is it far more economical to do so, but with care and a very little skill the finished article that is home-made should have a more attractive, or, at any rate, a more confidence-inspiring, appearance than the mass-produced equivalent which is repeated over and over again in shops here, there and everywhere, with variations so slight as to argue the feeblest of imaginations. But when the chemist packs his own proprietaries, he gives them his own individual impress; and if they are of any value at all and the price is not excessive, the customer retains the conviction that nothing quite similar can be obtained elsewhere, and the chemist retains the customer. There are two notable exceptions to this rule—tooth-pastes and tablets or pills packed in bottles and cartons. Here the packing is of a rather special character,

and the chemist may be pardoned if he has recourse to the specialised skill of the wholesaler. But I contend that all liquids (and they represent 75 per cent. of our own remedies) and all pills packed in bottles can best be done at home. "He cannot do his own dispensing" says "Holaby." He can and he cannot. Pills, ointments, and suppositories are among the remedies which are now standardised, and for purely economic reasons a chemist would be a fool to make his own (for example, pil. ferri or suppos. belladon.), when he can, thanks to large-scale production, buy them so cheaply. Similar economic reasons explain the growing disinclination on the part of the chemist to make his own galenicals. The duty on spirit aggravates this regrettable tendency; for the chemist is naturally reluctant to tear his way through yards of red tape in securing his rebate on the alcohol he would use, a reluctance still further increased by the average chemist's dislike of book-keeping. As to the ever-increasing plague of patents and toilet goods that settle like an army of locusts on the already impoverished land of retail pharmacy, here at least we can say that the time has come when something should be done about it. But what? Look at face powders, for example; think of the enormous number of different makes. And then we are expected to stock them as loose powder and as compacts, in two or three sizes, in at least three shades, and finally in refill and as well as in original cases! Until (if ever) women are too sensible to waste money on these aids to ruined complexions, toilet-article makers might do worse than amalgamate their products and give the chemist a chance of carrying a representative and comprehensive stock. They might follow the splendid example of the makers of British roll films.—Yours faithfully,

R. CECIL OWEN.

Chester.

In Spare Time

SIR.—I see in the *C. & D.* of July 23 that a correspondent ("Gorffenbraf") has a certain amount of spare time on his hands and wishes to turn it to the best advantage. As one who has been through the mill and is now a retired medical man, my experience may be of some value to him. I was apprenticed to a retail chemist in 1879, and qualified as a chemist and druggist in 1888. I established a new business directly after qualifying, and did very well. Time passed, and I got to feel dissatisfied with shop life, so gradually by home study, I was enabled to pass the medical Preliminary. Then I sold out and entered as a medical student at a neighbouring university. I qualified as a medical man in 1904, and have now retired. When an apprentice I took up the study of a foreign language, German. After my apprenticeship I took a situation in Switzerland for six months and learned to speak German. When I decided on taking the medical Preliminary I naturally took German as the optional language, so the greatest obstacle was out of my path. Now I have given up practice; but, looking through fifty-three years, I can truly say that though work was often hard and often non-paying from the financial point of view, yet it paid, and paid well in the long run.

I am, etc.,

A. C. G. (25/7).

SIR.—What is "Gorffenbraf" worrying about? When he is seventy years of age he will pick up a book of poems or philosophy, and say, "I wish I had read that when I was thirty!" He has the chance of a lifetime now. "Getting on," he will find, is a matter "within" not "without"; so let him enjoy his golden opportunity and have a good read. If he must make money there are other sidelines besides optics—what about wireless, tobacco, old clothes, and anything is better than idleness if he cannot read, and nothing is *infra dig.* to-day. He might kill two birds with one stone by trying literary competitions; they are good for the brain, sometimes the soul, and may bring him £5,000—his apparent goal. Anyway, pharmacy and optics do not offer such rewards, and life is shockingly short.—Yours truly,

W. R. DAVIS.

Broxbourne.

Legal Queries

C. S. (8/4).—The label for the powder would not be liable to medicine-stamp duty if sold by a chemist or a person holding a patent medicine-stamp licence. The article benefits by the "entire" drugs exemption.

E. P. (7/7) is converting his business into a private limited company, and understands that that the word "Limited" and the names of the directors must appear upon all letter headings and order forms. Must these particulars also be added to labels and shop signs? [It is not compulsory to put the name of the company on any of the business stationery; but if the company's name is used on "trade catalogues, trade circulars, showcards and business letters" the names of the directors must also be given. Even if the company's name does appear upon labels and shop signs—which is not obligatory—the directors' names need not be added. It is, however, essential that the name of the company should be shown conspicuously at the registered office and business premises.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

R. C. H. (11/5).—POWDER FOR SOFT CORNS.—This is a white powder composed of bismuth subnitrate (about 20 per cent.) and boric acid (about 80 per cent.).

F. S. (26/1).—ASTHMA AND HAY FEVER CURE.—This is a brown, aqueous and glycerin mixture containing sodium iodide, possibly also sodium bromide, and organic extractive. It appears to be very similar to that given in "Diseases and Remedies" (*C. & D.*), p. 18, which is as follows:—

Sodii iodidi	...	gr. 16
Sodii bromidi	...	gr. 16
Tr. lobeliae	...	m. 16
Ext. euphorb. pilulif. liq.	...	m. 24
Nitroglycerin	...	gr. 0.04
Glycerini et aquæ aa.	ad	oz. 1

Scott (19/3).—CAPSULE FOR URINE INCONTINENCE.—This capsule contains a mixture of white and yellowish powders; the white is calcium phosphate. The yellowish dissolves in chloroform and produces minute compact crystals which are almost tasteless, but with a slight warmth. It appears to be slightly nitrogenous. The sample was too small to allow of further investigation.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," July 15, 1882

Prospects of Pharmaceutical Legislation

Self-deception in this matter can do nobody any real good, and it would surely be the barest prudence for those who are spending their energies on the construction of this or that legislative scheme intended to rescue the trade from its dangerous condition to consider whether their plans have any reasonable prospect of success. . . . For the present, and probably for some years to come, there is little enough chance for any Bill in Parliament, however reasonable, and however it may accord with general desire. But if a time should come when legislators are hungry for more work, is there really any solid ground for anticipating from Parliament such exceptional legislation as is looked for? First the claim must be formulated, and that of itself would be no easy matter. Passing general resolutions and framing exact demands are quite different processes.

JULY 30, 1932

THE CHEMIST AND DRUGGIST
SUPPLEMENT

i

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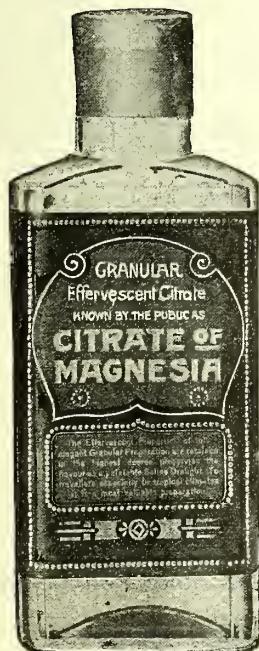
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CASTLE HUSKISSON, LTD.

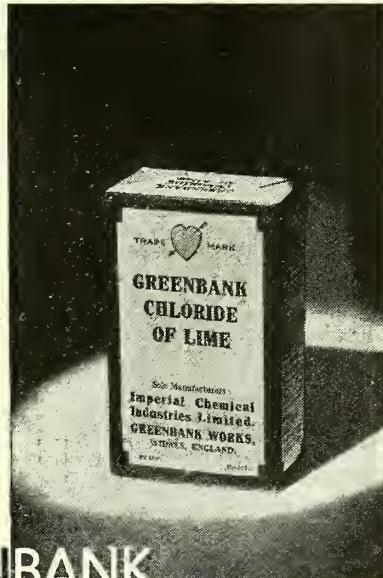
Manufacturing Chemists,

Swinton Works, Moon St., Islington, N.1
ESTAB. 1768.

Private formulæ Pills and Tablets carefully and accurately prepared at lowest possible prices.

Pills

The disinfectant and bleach that shows you big profits!



GREENBANK 'REDHEART' BRAND CHLORIDE OF LIME

A very efficient household product with manifold uses providing several points of great appeal to your housewife customers.

It disinfects drains, sinks, etc.

It removes offensive odours.

It can be used for home bleaching and washing.

It removes stains from linen.

Packed in moisture-proof cartons, it remains dry and does not cake.

Its wholesale price enables you to sell it with a very attractive profit to yourself.

All leading wholesale houses stock it—ask for the facts about it.

IMPERIAL CHEMICAL INDUSTRIES LTD.

IMPERIAL CHEMICAL HOUSE
LONDON, S.W.1

Sales Offices: Belfast, Birmingham, Bradford, Bristol, Dublin, Glasgow, Leicester, Liverpool, London, Manchester, Newcastle-on-Tyne



JULY 30, 1932

STURGE CHEMICALS

CITRIC ACID

CITRATE of POTASH

CITRATE of SODA

FERRI et AMMON
CIT.**BICARBONATE
of POTASH**

CARBONATE of POTASH

PRECIPITATED CHALK

CALC. CARB. PRECIP.

for Dentifrice Pastes, &c.



ESTD. 1823.

**ROCHELLE
SALTS**

PULV.

SEIDLITZ

TARTRATE of SODA

TARTRATE of POTASH

**JOHN & E. STURGE, Ltd. WHEELEY'S LANE
BIRMINGHAM**

Agents:

H. J. BAKER & BRO. NEW YORK
C. REINBOLD & CIE., 10 Rue Perree, PARIS

Cables: "STURGEON, BIRMINGHAM"

Codes: A.B.C. 6th Edition, BENTLEY'S
and LOMBARD**MEL ROSE—
NEW CENTURY CREAM**

With all the Mel Rose curative properties, also an effective remedy for Sunburn troubles (sore skin, blistering, etc.), quickly restoring skin to normal condition. A little used prior to exposure to the sun, eliminates all the usual discomfort. Sold in tubes of convenient size and shape for the handbag. Price 6d. & 10½d.

**MEL ROSE—
CREAM**

Sold in jars for the dressing table. Contains all the remedial properties of the tablet made up in softer form 9d.

**MEL ROSE—
TABLETS**

There is a demand for this product during the summer for keeping the skin in good condition 2d. & 4½d.

**FOR YEAR ROUND SALES
STOCK MEL ROSE PRODUCTS.**

ROBERTS & SHEPPEY Sole
Manufacturers
2 SKIPTON STREET, LONDON, S.E.1

**CAVENDISH CHEMICAL CO. (New York), LTD.
137 Regent Street, London, W.I.**

TESTOGAN tablets and ampoules
THELYGAN tablets and ampoules
YOHIMBIN tablets and ampoules
LECITHIN-YOHIMBIN tablets and pills
LIPOLYSIN tablets and ampoules
BISMOLAN suppositories and ointment
ATOCIN tablets
ATOCIN with ASPIRIN tablets
MYOSTON Skeletal Muscle Extract
ELIXIR NEUROGENIC (Cavendish)
Literature and further information on application

**Wholesale
Prices**1/3 Size
11/6 per dozen net3/- Size
27/6 per dozen netCarriage Paid Gross Quantities
or equivalent.

Manufactured only by
J. F. WHITE & CO., Chemists
BENSON STREET, LEEDS.

38% PROFIT ON BEECHAM'S PILLS & POWDERS



Many Chemists and Druggists are now reaping the benefits of a 38% profit on cost on Beecham's Pills and Powders. The reason for this is that recently we introduced a

£2 PARCEL

for either Beecham's Pills or Beecham's Powders or assorted Beecham's Pills and Beecham's Powders. The £2 parcels can be obtained direct or through your usual wholesaler and carry a 2½% cash discount together with a further 5% discount for window display, carriage paid—packing free—monthly account.

**STOCK MORE—
SHOW MORE—
SELL MORE
BEECHAM'S
PILLS and
BEECHAM'S
POWDERS**

ADVERTISING

Strong, virile and forceful advertisements comprising an extensive and continuous advertising campaign are appearing daily in the most important papers throughout the country. Every day they are helping you to sell more of our products and ensure a constant daily demand. House-to-house distributions augment the Press advertising throughout the British Isles, and show material is available for use in your shop or window, or on your counter.

Keep yourself well supplied with Beecham's Pills and Powders and reap the benefits to be derived from these fast moving lines.



**BEECHAMS PILLS LTD.
ST. HELENS. LANCS.**

Tel. 2241 St. Helens.

Telg. Beecham St. Helens.

PETROLEUM JELLIES

WHITE, LEMON, YELLOW, AMBER, RED, GREEN.

WHITE & COLOURED OILS

YELLOW, GREEN, RED FOR BRILLIANTINE, etc.

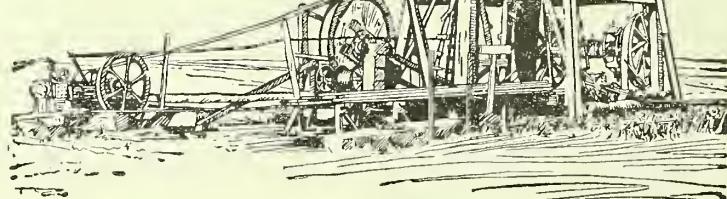
LIQUID PARAFFINCOLOURLESS, TASTELESS, ODOURLESS.
ALL SPECIFIC GRAVITIES.

B.P. AND TECHNICAL QUALITIES

*Wholesale Trade only.***STERNS LTD.**

Royal London House, Finsbury Sq., London, England

Telegrams: "CENTUMVIR, TELEW, LONDON."

**NEW PRODUCTS**

now being advertised to the Medical Profession.

BIVATOL (LIPO-SOLUBLE BISMUTH)

Ampoules of 2c.c. Boxes of 12. Retail 7/-. Wholesale 66/- per dozen.

BIOCHOLINEA solution of Pure Choline Hydrochloride 2cgm. per c.c.
Ampoules of 1c.c. Boxes of 12. Retail 7/6 Wholesale 69/- per doz.

25 ..	15/-	..	138/-	"
50 ..	22/6	..	210/-	"
100 ..	37/6	..	360/-	"

HYPOTENSYLThe active principles of Viscum (Gui) with Gland Extracts.
Tablets. Bottles of 50. Retail 4/-. Wholesale 36/- per doz.

Further particulars on request from:—

THE ANGLO-FRENCH DRUG CO., LTD.

II & 12 GUILFORD STREET, LONDON, W.C.I

Telephone: Holborn 6011.

Telegrams: "Ampsalvas, London."

COLLOSOL BRAND HALIBUT LIVER OIL

This pure uncontaminated oil of a standard strength fixed at 50 times that of cod liver oil is extracted by a special patented process evolved by the Crookes Laboratories.

Over 14,000 medical men in the British Isles alone have been advised that this concentrated vitamin A preparation is now available and all dispensing pharmacies should obtain stocks immediately.

Supplied in 5 c.c. vials retailing at 3/6.

THE CROOKES LABORATORIES

(BRITISH COLLOIDS, LTD.)

Telgrams :
Willesden 6313 (3 lines).

PARK ROYAL, LONDON, N.W.10

Telograms :
Collosols, Harles, London.

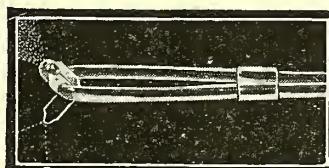
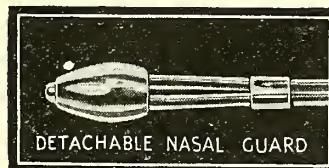
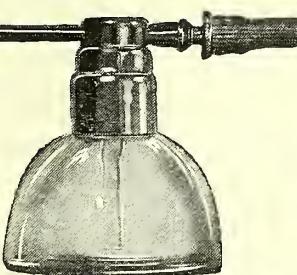
IT'S AN ILL WIND...

... that cannot blow the enterprising Chemist a power of good if he is prepared for it. The "spray-way to health" is widely prescribed by Doctors and the DeVilbiss No. 15 Nose and Throat Spray is just the line for customers who ask you for "something for a cold."

Stock and recommend DeVilbiss Sprays. Attractive show material free on request.

DeVilbiss SPRAY N°15

CVS-23



Note the adjustable gold tip for spraying in any direction.



AEROGRAPH CO. LTD., 43 Holborn Viaduct, London, E.C.1. Sole Distributors of DeVILBISS products in the U.K.

SPUN
 THE
 OINTMENTS
 OF
 DISTINCTION

WE can't make you buy
 the finest Ointments—
**BUT we can make the
 finest Ointments for you
 to buy.**

PRIVATE FORMULÆ MADE AND SPUN.

EFFERVESCENT

SALINES & CITRATES PACKED OR BULK.

EVERY REQUIREMENT OF THE PHARMACIST CATERED FOR.

WRITE TO-DAY ASKING FOR QUOTATIONS AND SAMPLES.

Telephone : Hop 2422
 (Two lines)

Telegrams :
 "Ushenpuna, London."

ROBERT BLACKIE SHEN WORKS,
 TOWER BRIDGE RD.
 LONDON, S.E.1.

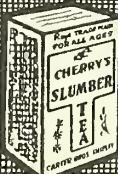
IRISH FREE STATE : A. S. CRAIG, 22 COPE ST., DUBLIN.

'CUTTERS'

(REGISTERED)
 THE ORIGINAL
 AND ONLY
 'CUTTERS'

HEAD & NERVE POWDER

FROM YOUR WHOLESALER, OR SEND DIRECT TO PERRY'S POWDERS, LTD., LEEDS



CHERRY'S
SLUMBER-TEA
 A profitable, easy selling,
 all-the-year-round line, with an ever
 increasing demand. A counter display will
 readily pay you. Particulars, etc., from
 CARTER BROS., SHIPLEY, Yorks

'CUTTERS'

Senna

FROM OUR
 OWN GROWERS

John Ronaldson & Co. 15 Seething La., London.

Alexandrian & Tinnevelly
 Pods Leaves Siftings.

AN OLD-FASHIONED—BUT REALLY EFFECTIVE
 remedy for COUGHS, COLDS, IN-
 FLUENZA and BRONCHIAL troubles.

Licoricine
ACTS LIKE MAGIC

Prices 10½d., 1s. 3d. and 3s.

MANDALL & CO. Ltd., 17/23 Stepney Rd., Newcastle-on-Tyne.

TERMS.

10½d. size, 8/6 per doz.
 1/3 " 12/- "
 3/- " 27/- "

Less 5% dis. on £6 orders.
 Carriage paid on orders of
 £2 and over.

Sell **GOODALL'S** —the Malt Extract that builds reputations



SEASON by Season our Malt Extract sales grow and grow in very gratifying fashion. It is open to you to develop your own Malt Extract trade on the same basis of QUALITY—quality of the article and the pack—which has been responsible for our own success.

THE CHOICE OF PACKS

Our packs are eloquent of the quality they contain and we offer a variety and choice of labels unequalled in the trade. Two of the most popular are shown below and all are offered with or without own-name labels as you desire. Specimens gladly on request.
FLAVOURS : Plain or Vanilla.

Make Malt and Oil a stable and profitable part of your business—buy next season's from **GOODALL'S**



QUOTATIONS :

We can quote Net or subject prices, and shall be pleased to receive your enquiries, stating quantity required for season's contract.

GOODALL, BACKHOUSE & CO., LEEDS

LINES of SATISFACTION



*Send for
prices and full particulars.*

Chemists will find all these lines profitable to handle. They are hygienically prepared in up-to-date laboratories, and attractively packed. Artistic showcards are available.

AMMONIA : Double strength, Household, Toilet.
In distinctive bottles and cartons.

OLIVE OIL : Samaritan Brand ;
Absolute purity—Finest flavour.

"ZOFLORA"
Perfume Disinfectant.

"SINFECT" Germicide.

"KEWTIK" Hand Cleanser.

THORNTON & ROSS LTD.

*Manufacturing Chemists,
Milnsbridge — HUDDERSFIELD*

REVISED PRICE LIST AND TERMS

CLARKE'S BLOOD MIXTURE

(LIQUID OR TABLETS)

3 dozen at 28/6 per dozen or £4/5/6 per case
12 dozen at 27/- per dozen or £16/4/- per case

CARRIAGE PAID. PACKING FREE.

ASSORTED ORDERS

	Retail	Min. Value £4/5/6	Min. Value £16/4/0
	per doz.	per doz.	per doz.
CLARKE'S BLOOD MIXTURE ...	3/-	28/6	27/-
" " " TABLETS ...	12/-	114/-	108/-
CLARKE'S SKIN LOTION ...	3/-	28/6	27/-
CLARKE'S MIRACULOUS SALVE ...	1/3	12/-	11/-
" " " ...	3/-	28/6	27/-
CLARKE'S APERIENT PILLS ...	5/-	48/-	44/6
CLARKE'S MEDICATED SOAP, 3 Tab. Box } ...	1/3	12/-	11/-
CLARKE'S MEDICATED SOAP, Single Tab. } ...	3/-	28/6	27/-
	2/6	8/-	7/6

Orders may be assorted as desired at above rates, provided the minimum values reach £4 5s. 6d. or £16 4s. respectively.

*CARRIAGE PAID.
PACKING FREE.*

Terms : Strictly Net. Monthly Account.

TRADE MARK "BLOOD MIXTURE" Reg. No. 3275
ORDER YOUR SUPPLIES NOW, EITHER DIRECT
OR THROUGH YOUR USUAL WHOLESALE HOUSE

THE LINCOLN AND MIDLAND COUNTIES DRUG CO., LTD., PARK ST., LINCOLN
Telegrams : "Lindum, Lincoln."

"YOU'RE "ALL OUT" FOR BUSINESS?"

For thousands of people Box's Pills are the standard remedy for all digestive disorders. The demand is steady and increasing—largely through the recommendations of users.

To secure your share of the profitable flow of business it is necessary to inform the demand which passes by your establishment. Telling window and counter display material is free on request, obtainable from wholesalers or direct from the proprietor.



BOX'S INDIGESTION PILLS

CHEMISTS

If you do not stock the NATIONALLY ADVERTISED line

CONSTIPON

We shall send you a small supply with all advertising matter on

SALE OR RETURN
CONSTIPON GLASGOW, C.2.

ERGOAPIOL (Smith)

Protective Mark
Patented in U.S. and
Foreign Countries.

Ergoapiol (Smith) is identified by the letters "M. H. S." raised in the gelatin on the inside of each capsule—thus—



Capsule cut in half thru the seam, showing initials.



Capsule intact, showing no mark objectionable to the physician.

[Ergoapiol (Smith) is to be had only in packages of twenty capsules each—never supplied in bulk or other form.]

MARTIN H. SMITH CO., New York, N.Y., U.S.A.

Treatment for

CANCER

DR. T. ISHIHARA'S

Patent No. 352620 (Great Britain).

Patent No. 88650 (Japan).



A treatment for cancer and erosion of os uteri, prepared from new endocrine organs based upon Dr. Ishihara's new theory of Umbilical Cord Hormone.

Indications

- (1) Cancer of stomach, intestine, uterus, etc.
- (2) Erosion of os uteri.

Doses : 0.3-0.6 gm. (3-6 tablets) per day
administer per os between meals.

Injection : 1 c.c.-2 c.c. per day, Hypodermically.

PACKING

Powder 5 g. (code : POUB)
Tablets 50 tab. (code : POUM)
Injection 1 c.c. × 10 (code : POUH)

TRADE MARK

Nippon Shinyaku Co., Ltd.
KYOTO, JAPAN

Cable Address :
"NIPPONSHINYAKU, KYOTO."

Code :
ABC 5th and 6th EDITION.

For particulars apply to

MITSUI & CO., LTD.
31-33 LIME ST., LONDON, E.C.3

(Samples Doctor only)

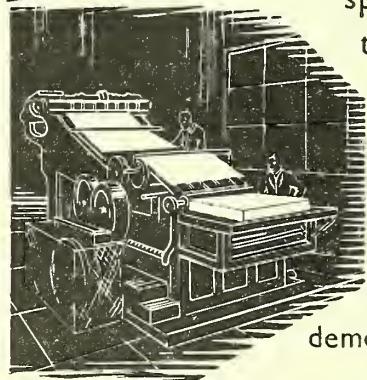
Good Printing

*gets
there*

Wholesale Chemists & Retailers alike will find success more certain by giving careful attention to their printing, and dealing direct with printers who

specialise in their particular requirements.

Give us an opportunity to demonstrate our claim.



We specialise in Labels, Folding Boxes, Envelopes and advertising printing of every description.

Send your next enquiry to

Alf. Harrison & Sons Ltd.

Chemists' & Advertising Printers
Burley Road
LEEDS

London Office: *Sentinel House,
Southampton Row, W.C.1*
Phone: Museum 8340

ALSO AT DUBLIN AND BELFAST



Jewellers and Silversmiths have used "Town Talk" Liquid Silver Polish for over 30 years, to clean and polish WOOLLEY, their own choice wares, proving by Sons & Co., Ltd. their example that "Town Talk" Manchester has no equal for cleaning Gold, AYRTON, SAUN- Silver and Electro Plate. DERS & Co., Ltd.

Liverpool Housewives have been educated to this fact by years of continuous advertising in the National Daily Newspapers & Women's Journals.

BROOKS In consequence, Stockists don't have to sell "Town Talk"—and Women's Journals.

GOODALL, BACK-HOUSE & CO., LTD., LEEDS

MAY, ROBERTS & CO. LTD., LONDON

or direct from the sole makers.

Terms and samples from:—

And "Town Talk" yields a generous profit, too, so link up with our energetic sales service.

TOWN TALK POLISH CO., MANCHESTER

THE IDEAL Counter Display STAND—for TOOTH BRUSHES, NAIL BRUSHES, SOAPS, Etc.

No. C.D.F. 2851 Very attractive Counter Display Stand. Constructed of mild steel finished Silver color and complete with four clear glass trays size 11½ x 7 x 1 in. Each tray is slightly sloped rendering the goods easy to see and select from. The overall height is 10½", width 12", B.toF. 15"

25/- each complete

Send for our List No. C.D. 1260

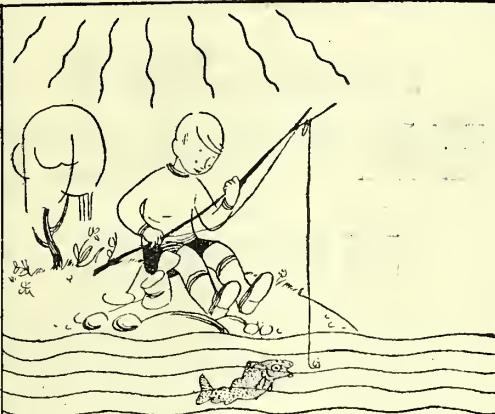
DUDLEY & COMPANY, LIMITED
457 HOLLOWAY ROAD, LONDON, N.7
City Showrooms: 65-66 Fore Street, E.C.2

SIEVES & GAUZES

TESTING SIEVES Single & in Sets

FINE MESHES UP TO 320

STEVENS & MANNING
1-3 DISNEY STREET, LONDON, S.E.1
HOP 3536 USIEVEIT—Boro—London



A TEASPOONFUL OF
NORWEGIAN COD
LIVER OIL CONTAINS
MORE VITAMINS THAN



ALL THE BUTTER AND
MILK ANY INDIVI-
DUAL CAN EAT AND
DRINK IN A DAY

One more reason for preferring Norwegian Cod Liver Oil

For centuries Cod Liver Oil has been used as a medicine on account of its wonderful curative properties. Modern science has explained and fully endorsed its invaluable prophylactic and therapeutic action. Quite recently a number of scientific experts have proved that no artificially manufactured vitamin product is a complete substitute for Cod Liver Oil.

As regards Norwegian Cod Liver Oil, moreover, there is an important safeguard in the fact that the Norwegian State supervises every shipment, refusing to permit the export of any barrel the contents of which fail to conform to the regulations for inspection.

Norwegian Cod Liver Oil

National Committee for Promoting the Consumption of Norwegian Cod Liver Oil, Post Box 226, Bergen, Norway.

3

FINEST PURE LOFOTEN

COD LIVER OIL

BRÖDR AARSÆTHER A/S AALESUND,
NORWAY



SOLE AGENTS FOR U.K. (EXCEPTING SCOTLAND)

Freudentheil, Smith & Co.
21 MINCING LANE, LONDON, E.C.3
Tel. Add.: "Freudenth". Tel. No.: Royal 6600

STOCKS HELD IN LONDON

AGENT FOR SCOTLAND: ANDREW STEVEN & SON, GLASGOW

"VITAMIN TESTED YEAST"

Yeast specially prepared for medicinal purposes.

GUARANTEED ABSOLUTELY PURE.
MIDGLEY & PARKINSON, LTD.
WARREN WORKS, PUDSEY, LEEDS.

IONIZED IODINE

(MOLSON BRAND)

Obtainable from the usual wholesalers or the makers
MOLSON IONIZED IODINE CO. Ltd.
34 C, GABRIEL'S HILL, MAIDSTONE

The Best and
Safest Infants'
Medicine of
over 130 years'
standing.

**ATKINSON & BARKER'S
INFANTS' PRESERVATIVE**

Does not
contain
any
Scheduled
Poison.

ROBERT BARKER & SON, LTD., 13 WESLEY STREET, C. on M., MANCHESTER



a brisk Trade *without beer trade troubles*

and without any of its labour or losses . . . without delivering crates or collecting bottles, without breakages, ullages or stock complications. Sell

VIGGORMALT

The MONEY MAKER

PURE EXTRACT OF MALT & HOPS ONLY
NO ADULTERATION OR ADDED COLOURING

You cannot please your customers better. Viggormalt is a triple concentrated pure extract of Malt and Hops only and makes genuine "Oambroo" Beer (ALE or STOUT) of perfect character quite simply (*The Daily Express* says so, 9. 5. 32.) at an amazingly low cost. Once introduced it quickly becomes a regular item on the shopping list. National advertising is extensive and constant. Demand is growing. Start now to share the profits.

DISTRIBUTORS :

FASSETT & JOHNSON, LTD.
86 Clerkenwell Road, London, E.C.1

Sole Manufacturers :

VIGGORMALT Ltd., Davigdon Rd., Hove, Sussex

NO
MILLING
MASHING
BOILING OR
FILTERING

**FREE YEAST
with each tin**

MASON'S EXTRACT OF HERBS

May we have the pleasure of sending you particulars of our Window Display Scheme ?



**NEWBALL & MASON
LIMITED
NOTTINGHAM**

*English
Filter*
**POSTLIP
Papers**

SQUARES
CIRCLES
FOLDED
ROLLS

WHITE
GREY
PLAIN
ANTIQUE
EMBOSSED
CRINKLED

SAMPLES
FREE



Postlip Filterings are stocked by all the leading Wholesale Laboratory Dealers.

Evans, Adlard & Co Ltd
Postlip Mills, Winchcombe, Cheltenham.

VICHY-CELESTINS

The world renowned NATURAL Mineral Water.

(And the other State Springs of Vichy)

We beg to remind the Trade that the above are on the P.A.T.A. list and show a good return to retailers.



These waters are largely prescribed by Physicians, and Chemists would do well to have an ample stock on hand.

Pamphlets, Show Cards and Dummy Bottles forwarded on application.

CAUTION—Each bottle from the STATE SPRINGS bears a neck label with the word "VICHY-ETAT" and the name of the

SOLE AGENTS :—

INGRAM & ROYLE LTD.

Bangor Wharf, 45 Belvedere Road, London, S.E.1

And at LIVERPOOL and BRISTOL

Telegraphic Addresses :

"Ingram Royle Waterloo, London."	"Sprudel, Bristol."	"Célestins, Liverpool."
'Phone: Hop 4343 (2 lines).	'Phone: 21913.	'Phone: Bank 4528.

3 certain sellers

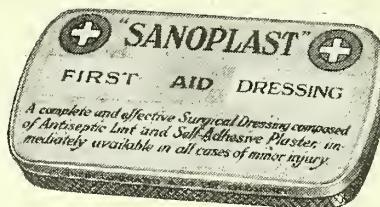
- “MINSTER” BUTTERMILK TABLETS
2 oz. cartons 3/8 doz. Bottles of 50 6/- doz.
Retail 7½d. and 10½d.
- “SANOPLAST” FIRST AID DRESSING
3/6 doz. Magnum 7/- doz.
Retail 6d. and 1/-
- “NUCKLETS”
Adhesive for protecting damaged knuckles
4/6 doz. Retails at 7½d.



CUXSON GERRARD & CO. LTD.
Oldbury near Birmingham

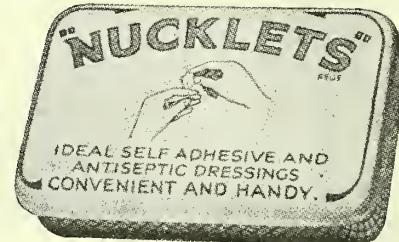
“SANOPLAST” FIRST AID DRESSING

Complete Dressing Composed of Antiseptic Lint and Self Adhesive Plaster for Cuts, Burns, etc.



6d. per tin of 6 Dressings

“NUCKLETS” a simple and effective dressing for the knuckles.



7½d.
box of 9.

The dressing is applied to the bent joint and remains secure when finger is straightened.

SEND FOR ILLUSTRATED PRICE LIST

SPONGE BAGS

Selection of one dozen assorted sizes, neatly boxed

From **7/6** per box

BUY FROM THE MAKER

Ask our Representative to show you his Range

ARTHUR BERTON, Ltd.

“BRITANNIA HOUSE”

256-260 OLD STREET, LONDON, E.C.1

Phone:
Clerkenwell 1346-7-8-9

MANCHESTER:
36 Chapel Street
Phone: Blackfriars 4536

Grams:
Avbelim, Finsquare, London

GLASGOW:
29-31 Duke St
Phone: Bell 702

To BUYERS of TRUSSES!

The most complete up-to-date facilities for the manufacture of RUPTURE APPLIANCES of every known English and American pattern are operating at

**BLACK BULL WORKS,
MARKET ROAD, LONDON, N.7**

Hard Rubber, Celluloid, Leather and Mole Covered and Elastic Band Trusses, under the

“MASTER”
BRAND
TRADE MARK



are sold in all Markets of the World.

“KO-RALLIUM.” A new flexible covering for Steel Springs, is immune from Warping, Cracking, Shrinking or Peeling, Non-Inflammable, Impervious to Moisture, Neutral to URIC ACID Secretions. Supersedes Hard Rubber or Celluloid.

Get to know of this. It is Something Different !

Suspensory Bandages and Jock Straps

We offer distinctive lines of outstanding value. Our weaving sheds allow of all intermediate profits being passed to our customers.

Write for sample range at Special Rate, then compare.

F. SCHUTZE & CO., LTD.
Black Bull Works, Market Road, London, N.7

WHY PAY MORE?

Specify **Portia** Regd Brand
on your orders.

CHEAPEST PRICES
BEST QUALITY
MOST ATTRACTIVE DISPLAY



Corn Plasters, thin, 12 in box	- 2/-
" " thick, 12 "	- 2/6
Bunion " thin, 6 "	- 2/9
" " thick, 6 "	- 3/6

Prices per dozen boxes, in display cartons,
green and gold, as illustrated.



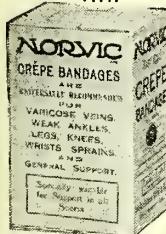
SOLPORT
BROTHERS LTD.

184 to 192 GOSWELL ROAD, LONDON, E.C.1
Complete Price List of all sizes and shapes on application.

Protected Prices—assured Profits

DISPLAY

NORVIC Regd
BLUE CARTON CRÈPE
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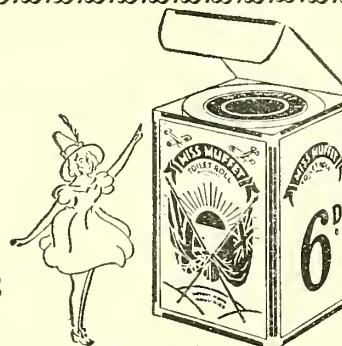
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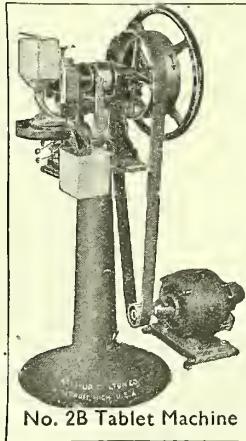
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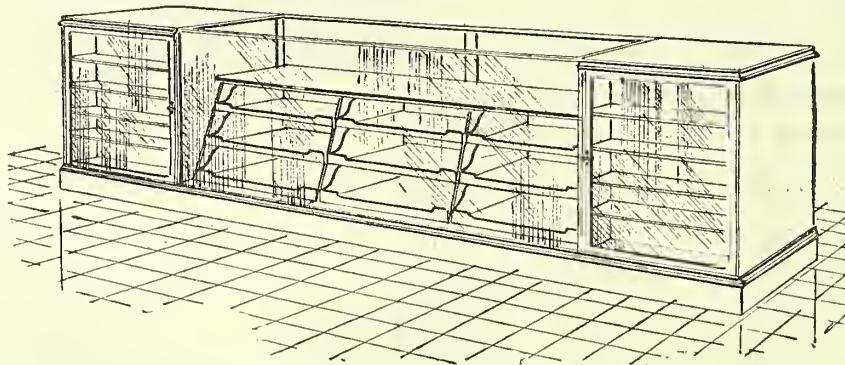
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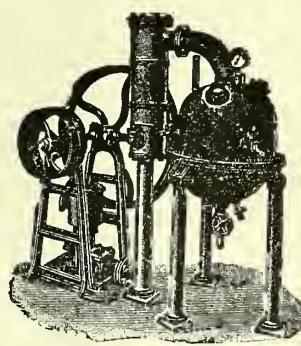
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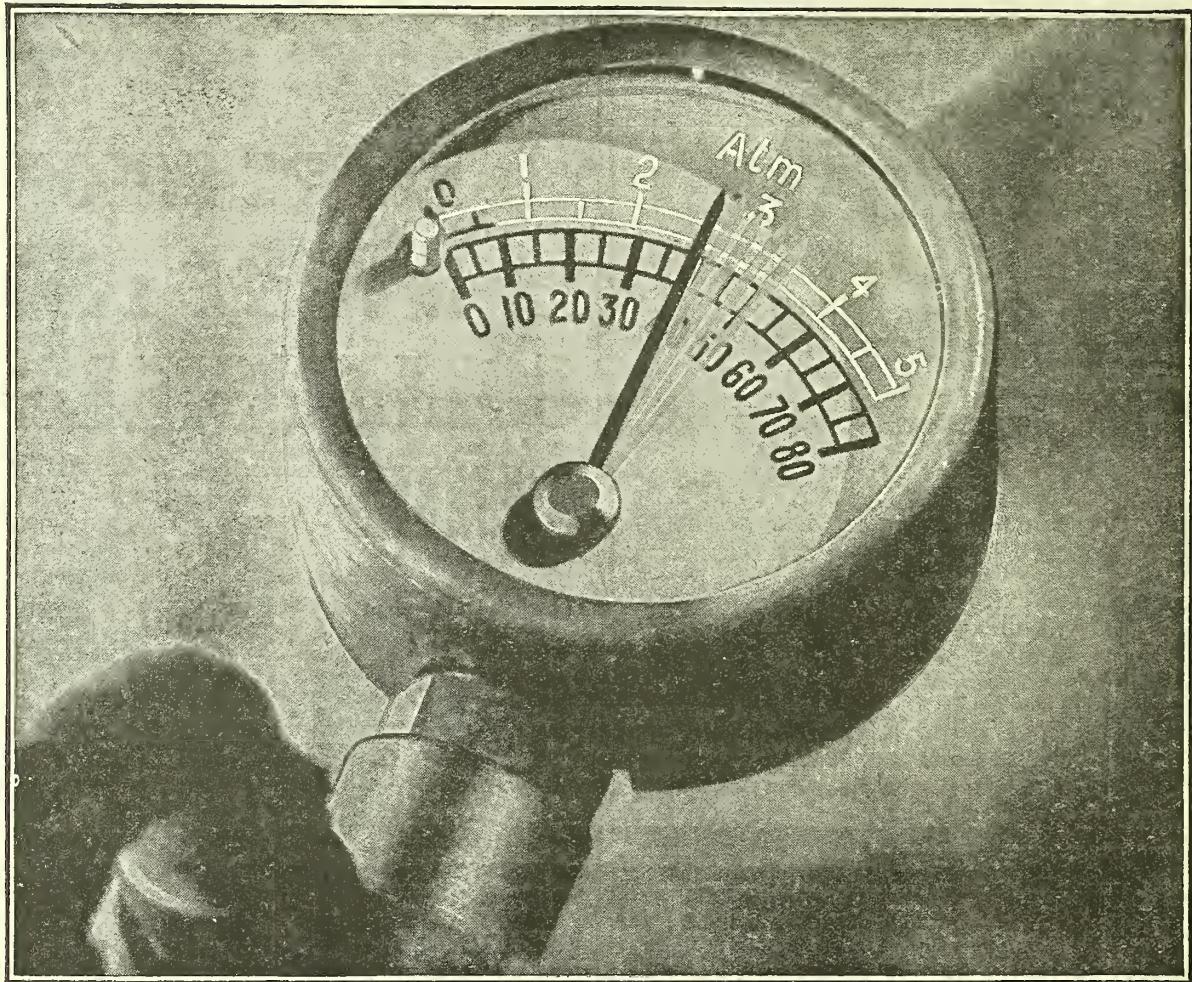


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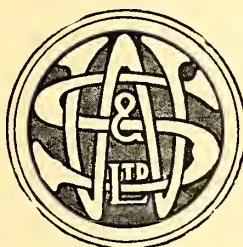
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SUPPLEMENT

28 ESSEX ST.
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JULY 30, 1932.

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST SUPPLEMENT

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—LONDON, N.W. (Good-class Suburb).—Light Retail and Dispensing Business in good-class locality; returns £3,500; modern double-fronted shop, very well fitted; stock worth almost £1,000; vendor has purchased another business and is therefore anxious of selling without delay; price £2,000, to include stock debits.

—LONDON, E.—General Retail and Dispensing Business; returns about £1,200 per annum; net profit 25 per cent.; lock-shop; rent £1 per week, including rates and gas; valuation terms entertained.

—SOUTH LONDON.—Medium-class Cash Retail Business, with Kodak Agency and N.H.I.; in present hands over 25 years; returns approximately £5,000 per annum; new lease at £300 per annum; price £2,750. Further details at personal interview only.

—SURREY.—Middle-class Cash Retail Business; N.H.I. recently started; returns present rate £50 weekly; accountant's fees; double-fronted shop, well fitted and stocked; stock and fixtures worth approximately £555; repayment of mortgage approximately £10 monthly; sub-let 27s. 6d. weekly; open to offers.

—MIDDLESEX (Few Miles Out).—General Retail Business, with Kodak Agency and N.H.I.; returns about £750 per annum; net profit one-third; single-fronted shop; six-roomed house; rent £35; held on lease; renewable at £40; price for quick sale £300, or valuation of stock and fixtures.

8.—EASTERN COUNTY (Health Resort).—Good medium-class Cash Retail Business, with N.H.I. (about £60 yearly); returns exceed £3,000 per annum; good profits; scope for increase; corner shop, well fitted and very well-stocked; very nice living accommodation; rent £110; one room sub-let at £20 per annum; lease has about 38 years unexpired; price £2,250, or valuation terms entertained.

9.—SUFFOLK.—Unopposed Business in Agricultural district; returns at present rate £1,400 per annum; large shop and good house; fruit trees; vineyard, greenhouse, etc.; new lease will be granted; rent £60; price £1,150.

10.—WARWICKSHIRE.—Light Retail and Dispensing Business; returns last year exceeded £2,000 at good prices; audited accounts; double-fronted shop, well fitted and stocked; property may be purchased, or lease would be granted at moderate rental; price required for business £1,250.

11.—NORTH DEVON.—General Retail and Dispensing Business, with side-line; returns £2,350; books audited; average net profit £500; large double-fronted shop, well fitted and stocked; terms, valuation of stock and fixtures, plus £500 for goodwill, about £1,500 in all; the property must also be purchased; existing mortgage can be taken over.

12.—WESTCLIFF-ON-SEA.—General Retail Business with Kodak Agency; established 11 years; returns last year £1,623, with net profit £405; double-fronted shop; rent £55 per annum; sub-let £52; price £675.

13.—HAMPSHIRE.—High-class Retail and Dispensing Business, with Kodak Agency; returns exceed £2,500 per annum; gross profit £1,000; double-fronted shop, very well fitted and stocked; splendid living accommodation; rent £160; long lease; price £5,400 for lease and goodwill, plus stock and fixtures at valuation.

14.—WEST OF ENGLAND.—Mixed Business; N.H.I.; small amount of Tobacco, etc.; returns £16 to £17 weekly; net profit approaches £250 per annum; single-fronted shop; small living accommodation; garden; rent £40; lease 18 years; rates £7; price £500.

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2.—NORFOLK.—Old-established Light Country Retail Business with good house in splendid repair; net profit £300; rent £45; new lease; returns £1,500; price asked £850.

3.—WESTCLIFF-ON-SEA.—Good-class Business for immediate sale; turnover over £1,600, increasing; easily worked; rent £55, on lease; sub-let £52; thickly populated district; no near opposition; genuine private reasons for selling; price £675; only requires seeing.

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5.—ESSEX COAST (Near).—Well-established Chemist's Business, with good Photographic connection, in popular yachting centre; returns £2,150; books audited; low rent on lease; fully stocked; price £1,450.

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7.—YORKS.—Old-established Retail with valuable Proprietary and Wine Licence; under management; plenty of scope; returns average about £5,000; prominent position; price £3,050.

8.—LONDON, N.W. (Few Miles Out).—Good-class Family and Dispensing Business in most desirable residential district; return average £3,450; books audited; attractive double-fronted shop fully stocked; price £2,250, or offer; worth attention.

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11.—LONDON, S.W.—Good middle-class Suburban Business returns over £2,000; net profit £450; rent £80; long lease house attached; owner, having other business, will accept first reasonable offer.

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13.—LONDON, E.9. (Death Vacancy).—Cash working-class Business; returns £1,300; net profit £320; good house; long lease; rent £75; price asked £700.

14.—WEST MIDDLESEX.—Sound Light Cash Retail; in same hands many years; retiring; returns £1,569 last year; gross profits £615; main road position; stock worth £500; price £800.

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(C3) BOURNEMOUTH.—£300 ALL IN, OR VALUE OF STOCK AND FIXTURES.—Excellent opportunity for "live" man to acquire attractive pharmacy (lock-up), at present under management; splendid scope for increase with personal interest; good position and lease; further particulars upon application.

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(C6) WEST COUNTRY.—Soundly established general retail, dispensing and family business with Kodak and Ensign Agencies; premises well situated in semi-industrial market town; returns approximately £2,000 per annum, excluding optics, for which there is scope for considerable further development; no living accommodation on premises, but good house available nearby.

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(C11) LONDON, S.W.—Attractive pharmacy with Medicated Wine Licence, situated on busy main road of working class district; optical connection; good opening for dentistry; present returns approximately £21 weekly, with scope for considerable increase; small living accommodation; rent, lease and purchase price by negotiation. (Visited and recommended.)

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METROPOLITAN REPRESENTATION.—Advertiser, with London office and organisation covering completely London and suburbs, is open to take up further Agencies for Pharmaceutical specialties and Toilet articles of all kinds. Write in first instance to 207/427, Office of this Paper.

PREMISES FOR SALE.

LOCK-UP Shop with large rooms at rear in very busy thoroughfare near Cricklewood Broadway; suit Chemist; low inclusive rent; price £300 or near offer. Apply "F. S.", 22 Links Road, Cricklewood, N.W.2.

APPRENTICES.

WANTED, one year's Apprenticeship to take Major Examination in 1933; shop or hospital; have had 3 years' College Dispensing experience. 239/35, Office of this Paper.

SITUATIONS OPEN.

RETAIL (HOME).

5s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BIRMINGHAM.—Lady Assistant for Surgical and Toilet Ladies' Department in City Pharmacy; must be of good appearance and address and have had previous experience. Full particulars in first letter to 241/24, Office of this Paper.

LONDON.—Young, unqualified Assistant wanted at once for about 3 weeks, gentleman, accustomed to quick Counter and Dispensing; good references essential. Full particulars in first letter; interview preferred. Ullett, 198 Rye Lane, S.E.15.

LONDON (Bloomsbury district and Piccadilly).—Junior or part-time Assistant with good Dispensing experience and a knowledge of Photography; obliging and successful Salesman; must be well recommended. Write full particulars, stating age, height, experience, salary required. Hamilton, 170 Clerkenwell Road, E.C.1.

MANCHESTER.—Smart qualified Manager wanted for branch doing high-class trade; must be conversant with Toilets, Photography, and possess initiative and industry; capable Window-dresser essential; knowledge of Optics an advantage. Write, stating age, wage, height, photograph (if possible), to 241/22, Office of this Paper.

MANCHESTER.—Splendid opportunity for qualified Manager who can make really good displays and used to heavy N.H.I. in busy suburban branch; good salary and commission. Give full particulars of age, previous experience, and when at liberty to 207/421, Office of this Paper.

MANCHESTER DISTRICT.—Wanted, qualified Assistant for Relief work for a fortnight to a month from August 2 in a middle-class suburban business. Please give full particulars as to age, references, salary required, etc., 242/30, Office of this Paper.

NORFOLK.—Young, qualified Assistant in small market town; must be quick and accurate Dispenser, good Salesman and Window-dresser, with all-round knowledge of Photography and able to take charge occasionally. Apply, with references and salary required (outdoors), Ling, Chemist, North Walsham.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 60 to 100 replies the task of returning photographs, testimonials, &c., is one of some difficulty,

NOTTINGHAM.—Qualified Manager required; modern Family business in residential suburb; good house attached; must be keen, tactful Salesman, also smart Window-dresser; salary and commission with good prospects. State age, previous experience, salary required, and when free. 207/422, Office of this Paper.

S.W.15.—WANTED, a qualified Assistant, either sex, August 6; wages moderate. State full particulars, age, salary required. 241/34, Office of this Paper.

ASSISTANT wanted from August 8 to September 3 inclusive; must be experienced for Counter and Dispensing; qualified and well recommended; personal application preferred. By letter state salary required, age and experience. Durbins, Chemists, 66 The Broadway, Ealing, W.5.

DRUGS AND TOILET GOODS.—Qualified man required for senior position in important West End business; must have extensive Retail experience. Send details of age, experience, and salary required to 207/419, Office of this Paper.

FEW weeks' holiday London from August 15 for Chemist and family; West-End Chemist offers his pleasing flat (30 minutes tram Victoria) in return for free Locum service; duties light, hours short. Roberts, Chemist, 6 Lower Belgrave Street, Victoria, S.W.1.

EXPERIENCED Assistant required end of August. Applications by letter only, giving fullest particulars of experience, age, height, salary required, together with recent photo, if possible. Price, 5 New Parade, Hayes End, Middlesex.

IMPROVER, or Assistant just served an apprenticeship, seeking further experience; good-class Retail and Dispensing; to live indoors. Full particulars and photo. 240/3, Office of this Paper.

LOCUM, qualified, August 21, for a fortnight; quiet business in East End of London; lady or middle-aged man preferred; sobriety and punctuality essential. State salary required, which must be reasonable, with references, to 207/424, Office of this Paper.

LOCUM required; young; must be capable Dispenser and good Salesman; September 1 to October 1 inclusive. Full particulars of experience, salary required, etc., in first letter. J. E. Booth, Chemist, 237 Farnborough Road, N. Farnborough, Hants.

LOCUM, August 15, for 3 weeks; S.W. London district. Full particulars in first letter. 207/431, Office of this Paper.

PERMANENCY.—Qualified young lady Assistant required immediately. State full particulars first letter, experience, salary, height, etc. Applications not answered in 14 days respectfully declined. 241/21, Office of this Paper.

PHARMACY.—Qualified Chemist required to take charge of Retail Branch; must be a thoroughly capable man, experienced in every branch. Apply, in writing, stating age, experience and salary required, to Staff Manager, Royal Arsenal Co-operative Society, Ltd., 148 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." Note.—Canvassing of members of the General Committee and officials will disqualify.

PHOTOGRAPHIC.—Wanted as Manager, for Photographic and Scientific Instrument Department, a man of sound experience, capable of controlling staff and D. and P. workshop, with a practical knowledge of the various Cinemas and Films now on the market; a knowledge of Technical Chemicals and Apparatus would be an advantage. Apply, with photo, giving full details of experience and salary required, to Ralph Cuthbert, Ltd., Chemists, Westgate, Huddersfield.

QUALIFIED Manager required for Birmingham; smart Counterman and good Window-dresser, also used to N.H.I.; house attached; salary and commission. Give full details of age, experience, salary required, and when at liberty. 207/420, Office of this Paper.

QUALIFIED Locum wanted, August 27 to September 3, or September 3 to 10. Pope, Chemist, 8 Pennine Parade, N.W.2.

QUALIFIED male Assistant Manager, 28/30, wanted immediately for City Branch; must be experienced in trade. The Prosser Roberts Co., 13 Church Street, Camberwell, S.E.5.

QUALIFIED lady for small business, S.W. London; some managing experience essential; salary required, references and full particulars first letter. Applications not answered in five days respectfully declined. "Chemist," 36 Cromford Road, S.W.18.

QUALIFIED Manager for Branch required; good references essential; capable Dispenser, good Counterman and Window-dresser, with knowledge of Photography; house attached. Give full particulars, age, experience, height, salary required, photo, if possible, when free. Rose, 33 Bullingdon Road, Oxford.

QUALIFIED lady or gentleman for old-established country business, Eastern Counties, middle or end of August; must have had country experience; energetic, capable worker and good organiser, able to take charge; short hours. Give age, eight, experience and salary required (outdoors), preference given to one who can type and do book-keeping. Letters not replied to in seven days after receipt respectfully declined. Selected candidates will be required to send photograph and testimonials later. 242/12, Office of this Paper.

QUALIFIED.—Required shortly, experienced Assistant for opening and developing new suburban pharmacy; applicant could be a first-class Salesman and able to take charge. Give full particulars of previous experience and salary required. 22/26, Office of this Paper.

QUALIFIED Locum for London S.E., whole or part-time, from about August 8 for two or three weeks; Counter and H.I. Age, etc., to 243/3, Office of this Paper.

QUALIFIED; about 30 years age; good Salesman; permanency; photo; testimonials; immediately. Dickinson, Coole, Chester.

QUALIFIED, with a knowledge of Optics and Veterinary work; single; live in; Welsh speaking; not over 45; business getter and live wire; moderate salary. Enclose photograph and three recent references, and state salary required. Apply 207/428, Office of this Paper.

REQUIRED immediately, qualified or unqualified Assistant; able to manage pharmacy. Bell, 10 Cawdry Buildings, Beck.

JNQUALIFIED Junior required for one month from August 21; 30 miles from London; quiet country town. Terms and references to 241/30, Office of this Paper.

JNQUALIFIED Assistant required; experienced and good Salesman and Window-dresser, careful Dispenser; age about 21. State experience and salary required by letter. Foster, 7, Banstead Read, Carshalton.

VANTED, young, energetic, qualified Assistant for about two weeks from August 8 for business in country town; must be a good Dispenser and have had good general Retail and Photographic experience. Please give full details in first letter as to experience, salary required (outdoor), also two references. White, Tenbury Wells, Worcs.

VANTED, Temporary Assistant, qualified, from August 6 or 8 to August 26. State age, references, and salary required. Crawford, Chemist, Horley, Surrey.

WHOLESALE.

CLERK required by Wholesale Druggists; must be used to detail work and have good knowledge of trade. Write, stating age, whether disengaged, experience, and salary required. 207/423, Office of this Paper.

FIRST-CLASS Commission Travellers required for calling on Chemists to place high-class Gland Preparations; must have good connections; London and provinces; liberal commission; references required. Write in first instance, stating area worked. Okasa (London) Agency, Evelyn House, Oxford Street, London, W.1.

IVE Salesmen, with sound connection Retail Chemists, for first-class product, little competition, for the following districts: Lancashire, Yorkshire, Midlands, Edinburgh and Glasgow; prospects of good commission and turnover to right men. Write 240/21, Office of this Paper.

REPRESENTATIVE required for North Wales, Staffordshire and Liverpool district. Give full particulars of past experience. "Lozenge," 206/407, Office of this Paper.

REPRESENTATIVE wanted by well-known Toilet Goods House; good salary and expenses will be paid to first-class experienced salesman owning car. Applicants state age and previous experience to 207/432, Office of this Paper.

REPRESENTATIVES, with established connections among Wholesale Houses, wanted all parts to sell, on liberal commission, heavily advertised Medicated Pastille, proprietary old-established house; only first-class men with unimpeachable cords considered. Apply 241/2, Office of this Paper.

REPRESENTATIVES required on commission basis by Toilet and Perfumery House in the following areas: Lancashire and Cheshire, Newcastle-on-Tyne area, and Birmingham and the Islands. Full particulars (in confidence) to 241/13, Office of this Paper.

REQUIRED by well-known manufacturers of Toilet Soap and Perfumery Preparations, a Representative for Suburban and Home Counties; salary and commission; only applicants with previous experience considered. Write, stating full particulars as to age, salary required, etc., to 207/429, Office of this Paper.

SIDE-LINE.—Wanted, smart Salesman already carrying Chemists' lines and with first-class connection in the trade to take up sale of attractive Toilet article; easily handled; quick seller; active man can make £2 to £3 weekly. Apply 207/426, Office of this Paper.

TRAVELLER.—Surgical Instruments and Hospital Equipment; commission, small salary and fares; must be accustomed to calling on Doctors and Hospitals. Reply with particulars in confidence. 243/26, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN.

RHODESIA.—Young, qualified Assistant wanted; passage paid out; 3 years' agreement; salary (outdoors), first year, £26 per month; second, £28 10s.; third, £31. Apply, by letter only, "N." 23 Arrol Road, Beckenham, Kent.

SITUATIONS WANTED.

RETAIL (HOME.)

2s. for 18 words or less, 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.A.A.A. —PERMANENCY required by Chemist-Optician (M.P.S., F.B.O.A., J.C.Q.O. Register); age 23; terms moderate if suitable scope in Optics to widen experience. 243/10, Office of this Paper.

A.A.A. —QUALIFIED; 24; Manager or Senior; 7 years' experience, including London, Bath, seaside and country; excellent Salesman and Window-dresser; accustomed to high-class Dispensing; knowledge of Agriculture and Photography; permanency preferred. Robjohns, Gate House, Totnes.

A.A.A. —QUALIFIED Chemist, 33, married, requires management, giving full scope for initiative, etc., with opportunity to invest or gradually acquire later; good-class Family Dispensing and Agricultural business in Midlands or South preferred; 3 months' notice required. 243/24, Office of this Paper.

A.A. —ASSISTANT, 20, requires situation; permanency or Locum; sound knowledge Dispensing, Counter, Photography and Window-dressing; good references; West London preferred, but not essential. "H." 47 Aldbonne Road, W.12.

A.A. —UNQUALIFIED Assistant; competent; reliable; age 23; active and keen Counter; good Dispenser; all-round experience; permanency. 241/12, Office of this Paper.

A.A. —QUALIFIED; 37; permanency, Locum; tall, smart, capable, energetic; 20 years' experience; London, provinces; free August 27. 242/33, Office of this Paper.

A. —PART I, requires situation now until end September; capable Dispenser; thoroughly experienced. Williams, Eldon Bank, Eldon, Bishop Auckland.

A JUNIOR Assistant, free August 12 (Part I), desires temporary position; interested and keen; good Dispenser and Counter; Public School education. F. Harrison, 17 St. John's Road, Leeds.

A QUALIFIED Chemist, continuing studies, requires part-time work, commencing before October; excellent references; Counter and Dispensing experience. P.C.B. 43/29, Office of this Paper.

A DVERTISER, 20, urgently seeks berth; 5½ years' varied experience; very moderate salary if in Birmingham or district; willing worker. 242/24, Office of this Paper.

A N experienced Manager, 28, requires position, London area; living accommodation if possible; excellent experience in all branches of the business, including Binying; good working- or middle-class pharmacy will receive conscientious handling; interview any Wednesday; disengaged one month. 242/4, Office of this Paper.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensues. Strict attention to this detail will be appreciated.

ALERT, energetic, reliable, ambitious Chemist requires progressive post, anywhere, home or abroad; Retail, Wholesale or Manufacturing; West and East London and provincial experience; Counter, Dispensing, Photography (all branches), Galenicals, etc.; hard work and initiative; free one month from engagement. Evans, 23 Upper Rock Gardens, Brighton.

AS Assistant or Locum; disengaged; experienced; town or country; expert in Surgical Appliances; abstainer. "Chemist," 142 Hill Lane, Southampton.

ASSISTANT (Part I), 35, desires more progressive post; specialised knowledge of Photography (Ciné), Toilet, Window-dressing, Scholls; long and varied experience; used to and able to control staff; present post 4½ years with firm of repute; highest references. Apply 240/20, Office of this Paper.

ASSISTANT, unqualified, 25, desires post during August or September; wide experience of Dispensing, Counter work, Photography, etc.; excellent references. 241/8, Office of this Paper.

ASSISTANT, unqualified, 20, seeks situation; Counter, Dispensing, Window-dressing, D. and P.; disengaged. Preston, 40 Arminger Road, W.12.

ASSISTANT, 19, desires post, temporary or permanent, preferably in large town; Photographic, Dispensing, etc. Edwards, c/o T. C. Price, M.P.S., Rhayader, Rad.

ASSISTANT; unqualified; 39; experienced in all branches and competent to take full charge; sound references; permanency; disengaged. "Aspirin," 22 Henry Street, Rugby.

ASSISTANT; unqualified; Dispensing, Counter, Photographic; excellent references. Evans, c/o Freeman, Chemist, 97 St. Peter's Street, St. Albans.

ASSISTANT, unqualified, 26, fully experienced, seeks situation anywhere; moderate salary; disengaged; good references. "G.," 30 Rutland Park, Sheffield.

ASSISTANT; unqualified; 25; tall; smart; N.H.I., Counter, Windows, Photography; permanency. Williamson, 18 Hereward Street, Bourne, Lincs.

ASSISTANT (referred Pharmaceutical Chemistry), age 22, height 5 ft. 10 in., fully experienced and well recommended, is open for whole, part time or Locum work; free immediately. Robinson, 31 Union Road, S.W.4.

ASSISTANT, unqualified; 29; energetic; tactful Salesman; 12 years' all-round experience; whole-hearted service offered; responsibility welcomed; excellent references. 241/40, Office of this Paper.

BIRMINGHAM or Midland area preferred, not essential; Locum work undertaken; all-round experience; well recommended; disengaged shortly. "Drugs," 64 Hunters Road, Birmingham.

ELDERLY, qualified Chemist desires management, Liverpool; capable; active; reasonable salary. Thomas White, 21 Miller Street, Dingle, Liverpool.

GENUINE, hard-working, qualified Manager, highest credentials, free August 25, requires permanency (or Locum); married; West of England preferred, but not essential; varied experience in all branches, including Agricultural; Photography; 1911 Certificate. "Coombe," Alexandra Pharmacy, Northam, N. Devon.

INTER. B.Sc., 24, smart and trustworthy, desires post; unqualified; all-round experience, including Dispensing, Counter, Photography, etc.; University education; good references; go anywhere; London district preferred. 240/16, Office of this Paper.

JUNIOR, 20, seeks position; just completed 4 years' apprenticeship; Dispensing and Counter experience. "F. P.," 14 Sandal Road, Edmonton, N.18.

JUNIOR Assistant, now in London, urgently requires change to Midlands; Birmingham or Wolverhampton preferred; part or whole time. 240/35, Office of this Paper.

JUNIOR, 21, tall, conscientious, requires position in good Dispensing business; had high-class varied experience; Square trained; referred Forensic Pharmacy. Godden, 69 Roberts Road, High Wycombe.

LADY Assistant seeks post in London, end of September; experienced, Dispensing, Display, Counter; unqualified; 28; interview. 241/23, Office of this Paper.

LOCUM; qualified; middle-age; active; reliable; sold own business; well recommended; distance no object. "M.P.S." Hickmott, Ltd., Chemists, Rainham, Kent.

LOCUM; qualified; disengaged August 7 to 13, August 29 onwards; any distance. Wood, c/o Mr. Clare, Cranleigh, Surrey.

LOCUM Tenens; ex-proprietor; 49; first-class experienced service; strict probity; free August 5; long or short; holiday, health or death; highest credentials. "Chemist Optician," c/o Rex Allen, M.P.S., 53 High Street, West Bromwich.

LOCUM; qualified; disengaged August 8, 15, 22; young; trustworthy; energetic; Yorkshire preferred. Fowler, 107 Hall Lane, Armley, Leeds.

LOCUM; qualified; 34; single; as Manager or Assistant. M. Gregory, 216 Waterloo Road, Wolverhampton.

LOCUM.—Julius Caesar, M.P.S., experienced in all branches of Pharmacy, registered R.P.U., desires engagements between August 8 and 27 and after September 30; energetic, trustworthy, and capable. C/o Fisk, Chemist, Woolston, Southampton.

LOCUM; disengaged; experienced; town or country; good references. Particulars, "Locum," 56 Rudloe Road, Clapham Park, S.W.12.

LOCUM; experienced; August 8 onwards; Yorkshire preferred. Stiles, 12 Firbeck Road, Doncaster.

LOCUM; qualified; 25; 7 years' experience, seaside, country and town; good Dispenser; excellent references; free August 8; anywhere. 242/5, Office of this Paper.

LONDON OR BEXHILL-ON-SEA.—Experienced, qualified Locum; free last fortnight in August and from September 26. Victoria E. Evans, 4 Station Parade, Northolt. Phone: Southall 1522.

PART-TIME wanted; North London preferred; 10 years' experience. P.C.B. 43/4, Office of this Paper.

QUALIFIED, 32, just completed 4½ years' medium- and working-class London experience, desires similar post; energetic and trustworthy. "Pestle," 240/25, Office of this Paper.

QUALIFIED; Square trained; age 25; height 5 ft. 9 in.; smart appearance; Public School education; 7½ years' all-round experience, including Veterinary and Photographic; abstainer; Locum or permanent (preferred); free immediately. W. P. Woollatt, 5 North Station Road, Colchester.

QUALIFIED, 36, desires permanency; West End; all-round experience; disengaged August 15. 22 Eton Avenue, East Barnet, Herts.

QUALIFIED (Juny Examinations), age 22, tall, requires permanent situation offering experience; accustomed to busy working-class trade; good worker; free. Bougourd, 42 Weston Grove Road, Woolston, Southampton.

QUALIFIED requires Locum work; London or Coast; free now; West-End experience. 243/25, Office of this Paper.

REliable, middle-aged, unqualified Assistant; thorough experience in all branches of the business; free September. 241/4, Office of this Paper.

REliable man (referred *Materia Medica*); Locum or position until qualified; 11 years' experience. Barnard, 93 Loughborough Road, Brixton, S.W.9.

TWO ladies, qualified Dispenser (Hall) and Train'd Nurse (expert Saleswoman, having managed her father's business for many years), desire posts together; excellent testimonials. 242/17, Office of this Paper.

UNQUALIFIED Dispenser, trained for Ph.C.; distance immaterial; season or longer. Martin, 128 Tewkesbury Street, Cardiff.

UNQUALIFIED; 30 years' Retail experience good businesses; excellent references; efficient Dispenser; free August; any district. Lonsdale, 23 Louis Street, Leeds.

UNQUALIFIED; permanent, part time or Locum; thoroughly experienced, Dispensing, Prescribing, Counter; all-round handy man; single; tall; energetic; abstainer; good references; Notts or Derbys districts. Howard, 30 Pimlico, Ilkeston.

UNQUALIFIED lady, 23, tall and obliging, desires post; N.H.I. and Dispensing; Yorkshire district preferred. 242/11, Office of this Paper.

CLEAR OUT—your Old or Damaged Stock of Photo Goods
Why keep them any longer? Turn them into CASH.
I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers, Cards (any sizes), Old Photo Goods or Cameras, Bromide Papers, Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.
S. E. HACKETT, 23 July Road, Liverpool

UNREGISTERED, 44, excellent London experience, desires part-time, mornings or evenings; would take a real interest in business; disengaged. P.C.B. 43/30, Office of this Paper.

YOUTH, 21, desires position as Improver; 2½ years' good experience; Part II training; time for study. 241/7, Office of this Paper.

YOUNG lady (referred Pharmaceutical Chemistry); well educated; general experience; keen Saleswoman; reliable. Rubens, 27 Margaret Street, Ammanford, Carmarthenshire.

YOUNG unqualified Assistant (27) wishes to re-enter Pharmacy after lapse of two years; will accept low wage in return for chance to revise knowledge, view to permanency; experienced Photography, Window-dressing, Dispensing, manufacture of Galenicals; used to good-class business. 242/29, Office of this Paper.

WHOLESALE.

2s. for 18 words or less, 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A DVERTISER, covering South Coast, calling on Stores, Chemists, etc., open to represent well-known house on commission, plus part expenses; own car. "Elton," 25 Victoria Road, Upper Norwood, S.E.17.

FIRST-CLASS Representative, prize records, desires position with house of repute; first-class connection and references. 241/20, Office of this Paper.

GENTLEMAN, 35, desires post as Representative to firm of repute, thorough knowledge of the Retail, of good education and appearance; highest references and fidelity guarantee given; some previous experience. Apply 240/200, Office of this Paper.

IRISH Representative, resident Northern Ireland, with sound connection, own car, etc., at present representing well-known British Perfumery House, desires the representation of one or two non-competitive houses of repute to work in conjunction with above; commission and part expenses basis. Reply 242/2, Office of this Paper.

PERFUMER, Toilet Soap and Perfumery, practical man, manufacturing Creams, Tooth Paste, Shampoos, Hair Lotions, etc.; good compounder and organiser. "W. W.", "The Chase," Earl D'Essex Chase, Laindon, Essex.

QUALIFIED, M.P.S., as Medical Representative; unique connection with Medical Profession, London, leading provincial Hospitals and Drug trade. P.C.B. 43/24, Office of this Paper.

QUALIFIED, M.P.S., 23, desires post; Wholesale or Retail; Scotland preferred; capital available if necessary. 207/425, Office of this Paper.

YOUNG lady Traveller, with car, covering the whole of South Wales, calling on Chemists, Beauty Parlours, requires Agencies on commission basis; good looks and presence; highest references. 240/17, Office of this Paper.

FOR SALE.

(Articles to the value of £5-£50.)

CASH Register, "National," with keys up to 19s. 11d.; will sell for reasonable price; in good order. Write A. White, 60 Dongola Road, Plaistow.

EXPRESS Rotary Tablet Machine, 13 dies, 26 punches; output 350 per minute; two complete sets punches and dies, 13/32 in. and 3/8 in.; can be seen running at any time; price £30. The Tower Pill & Tablet Co., Ltd., 46 Penton Street, London, N.1.

WHITE Flint Lime Cream Bottles, external screw cap; 75 gross 24 oz. and 25 gross 16 oz.; best offer considered. 241/29, Office of this Paper.

MISCELLANEOUS.

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A FIRST-CLASS PHARMACY, £57 10s.—10 ft. Drug Fixture, 30 drawers, glass knobs and labels, cupboards each side and under drawers; two Show Cases, mirror lined, plate-glass shelves to top section; 6 ft. Mahogany Wall Case; 8 ft. Mahogany Counter, show case front; mahogany and plate-glass Dispensing Screen and Counter, with movable plate-glass shelves. Call or post your requirements. RUDDUCK & CO., 219 and 227 Old Street, London, E.C.1.

A LARGE QUANTITY of Second-hand Showcases from £2 upwards (removed from various jobs); Shop Fittings, Counters, etc., at real reductions. Write requirements or call PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1.

CHEMISTS' FITTINGS.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass Fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate-glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., ready for immediate delivery at competitive prices. Write or call for List. F. MAUND & E. BERG (SHOWCASES), LTD., 175/9 and 336 Old Street, London, E.C.1.

CHEMISTS' FITTINGS.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass Fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate-glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., ready for immediate delivery at competitive prices. Write or call for List. F. MAUND & E. BERG (SHOWCASES), LTD., 175/9 and 336 Old Street, London, E.C.1.

CHEMISTS' FITTINGS.—Oak or mahogany, suit any Pharmacy, must be sold: 10 ft. complete Drug Fitting, 8 ft. Wallcase, 8 ft. glass Front Counter, 6 ft. Dispensing Screen, nest Counter Drawers, three Mahogany Wallcases, 10 ft. long, Dispensing Screen 8 ft. long, 6 ft. Glass Counter, Silent Salesman; sketches by return. GEORGE COOK, The Working Shopfitter, 27 Macclesfield Street, City Road, E.C.1. 'Phone: Clerk 5371.

FOR SALE, two heavy Werner-type Jacketted Mixers in sound working condition. Write 207/408, Office of this Paper.

FOR SALE, "U"-shaped Jacketted Drying and Mixing Machines with central outlets; can be inspected. Write 207/409, Office of this Paper.

FOR SALE, Vertical Stone Mill, also Perplex type Grinder, also Grinder and Sifter. Write 207/410, Office of this Paper.

FOR SALE, "Rapid" Sifter and Mixer, 300 lbs. capacity; thoroughly overhauled and in sound working order. Write 207/411, Office of this Paper.

FOR SALE, two Edge Runner Mills, C.I. runners 22 in. x 9 in. and 30 in. x 8 in. respectively. Write 207/412, Office of this Paper.

FOR SALE, two Griveau Mixing and Sifting Machines with receiving drawers, suitable for powders. Write 207/413, Office of this Paper.

FOR SALE, 6-pot Porcelain Ball Mill in frame with fast and loose pulleys. Write 207/414, Office of this Paper.

FOR SALE, Power Friction Hoist, also double toothed Crushing Mills. Write 207/415, Office of this Paper.

FOR DISPOSAL, two Jacketted Copper Boiling Pans, tip-up type, both tested; also C.I. Jacketted Pan with stirrers. Write 207/416, Office of this Paper.

FOR SALE, No. 1½ size Disintegrator, excellent condition; also Johnson Filter Press with 12 in. plates by 15 in. diameter. Write 207/417, Office of this Paper.

WANTED, "Rapid" Steam-heated Drying Machine, capacity about 150-200 lbs. Full particulars and lowest price to 207/418, Office of this Paper.

EXCHANGE COLUMN.

WANTED.

FOUR CARBOYS, height 2 ft. Lyons, 109 Princess Road, Moss Side, Manchester.

A PAIR of six gallon Carboys for window. 9 Alwyne Mansions, Wimbledon, S.W.19.

FELL HOWELL PHOTOMETER. Please state price. Tydeman, 25 Uphill Road, N.W.7.

TABLET MACHINE (hand), small Coating Pan, and 3 gr. Pill machine for oval and round pills. Send price to 241/31, Office of this Paper.

Do you subscribe to **THE CHEMIST AND DRUGGIST**

20/- brings you THE CHEMIST AND DRUGGIST post free for one year, including all Special Issues and THE CHEMIST AND DRUGGIST DIARY, the recognised standard reference for the trade.

- (1) A weekly copy (in which is inserted THE CHEMIST AND DRUGGIST SUPPLEMENT) post free to any part of the world.
- (2) A copy of THE CHEMIST AND DRUGGIST DIARY issued in December.
- (3) A comprehensive and trustworthy Retail and Dispensing Price List issued quarterly.
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